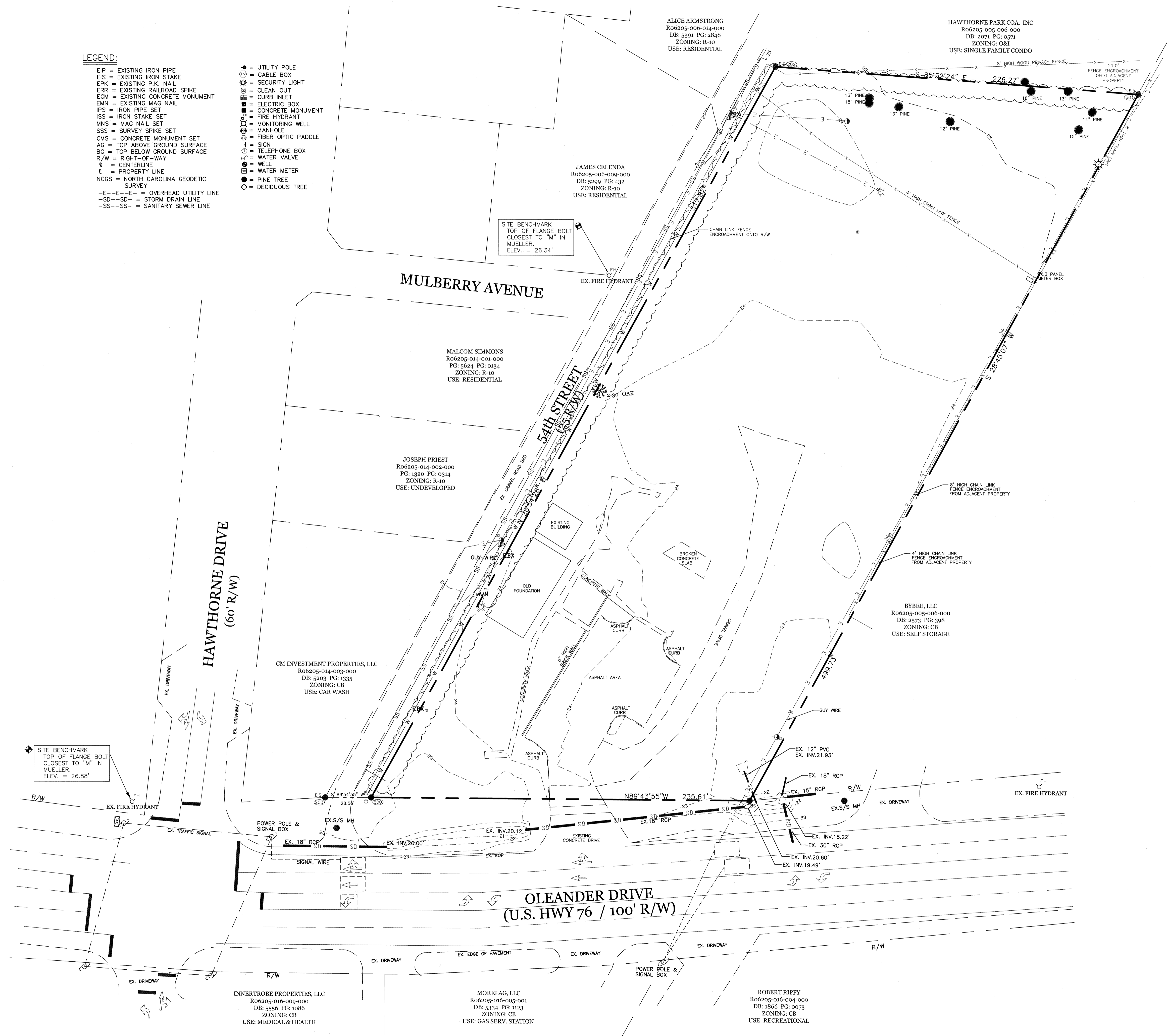


LEGEND:

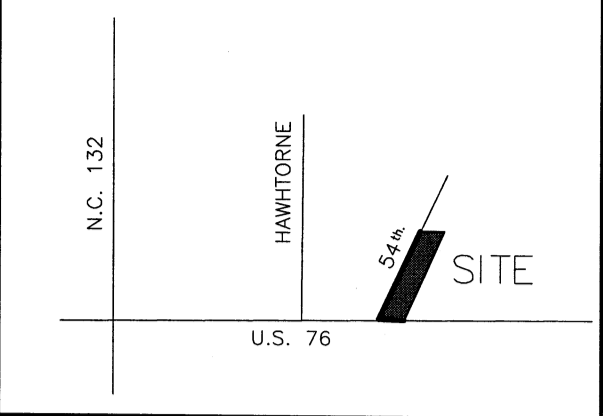
EIP = EXISTING IRON PIPE
 EIS = EXISTING IRON STAKE
 EPK = EXISTING P.K. NAIL
 ERR = EXISTING RAILROAD SPIKE
 ECM = EXISTING CONCRETE MONUMENT
 EMN = EXISTING MAG NAIL
 IPS = IRON PIPE SET
 ISS = IRON STAKE SET
 MNS = MAG NAIL SET
 SSS = SURVEY SPIKE SET
 CMS = CONCRETE MONUMENT SET
 AO = TOP ABOVE GROUND SURFACE
 BG = TOP BELOW GROUND SURFACE
 R/W = RIGHT-OF-WAY
 CL = CENTERLINE
 PL = PROPERTY LINE
 NCGS = NORTH CAROLINA GEODETIC SURVEY
 --E--E--E-- = OVERHEAD UTILITY LINE
 --SD--SD--SD-- = STORM DRAIN LINE
 --SS--SS--SS-- = SANITARY SEWER LINE

UTILITY POLE
 CABLE BOX
 SECURITY LIGHT
 CLEAN OUT
 CURB INLET
 ELECTRIC BOX
 CONCRETE MONUMENT
 FIRE HYDRANT
 MONITORING WELL
 MANHOLE
 FIBER OPTIC PADDLE
 SIGN
 TELEPHONE BOX
 WATER VALVE
 WELL
 WATER METER
 PINE TREE
 DECIDUOUS TREE



SURVEY PROVIDED BY: JOHNNY J. WILLIAMS LAND SURVEYING, P.C.

VICINITY MAP (NOT TO SCALE):



REVISIONS

NO.	DATE	DESCRIPTION

**INTRACOASTAL
 ENGINEERING, PLLC**
 91 Pelican Point Road
 Wilmington, North Carolina 28409
 Phone: 910.409.3567
 Email: charlie@intracoastalengineering.com
 License Number P-0662



REFERENCES:

DEED BOOK 1449, PAGE 1619

GRID TIES AND COORDINATES:

ISS NO. 500 - NORTH = 168,715.647
 (CONTROL CORNER) EAST = 2,343,551.532

EIS NO. 1 - NORTH = 168,714.544
 (CONTROL CORNER) EAST = 2,343,787.139

NOTES:

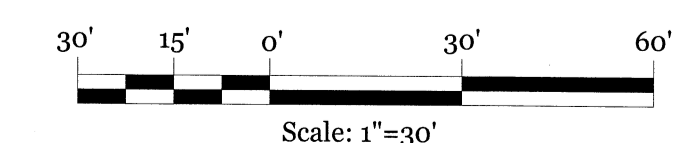
- 1) THE PROPERTY SHOWN HEREON IS NOT LOCATED WITHIN A SPECIAL 100 YEAR FLOOD HAZARD AREA ACCORDING TO FLOOD INSURANCE RATE MAP NO. 3720314600J DATED APRIL 3, 2006.
- 2) ALL N.C. GRID DATA SHOWN HEREON IS BASED ON NAD 1983 2007 ADJUSTMENT USING THE NCGS RTK NETWORK SYSTEM.
- 3) ALL DISTANCES SHOWN HEREON ARE N.C. GRID DISTANCES UNLESS OTHERWISE NOTED.
- 4) COMBINED GRID FACTOR = 1.00003585
- 5) ALL ELEVATIONS SHOWN HEREON ARE BASED ON MEAN SEA LEVEL (NAVD 1988).
- 6) UNDERGROUND UTILITIES MAY EXIST THAT WE WERE NOT ABLE TO FIND ABOVE GROUND INDICATORS FOR. UTILITY MARKING COMPANIES WERE NOT CALLED TO LOCATE UNDERGROUND UTILITIES. UNDERGROUND UTILITIES MAY EXIST THAT ARE NOT SHOWN.

Approved Construction Plan

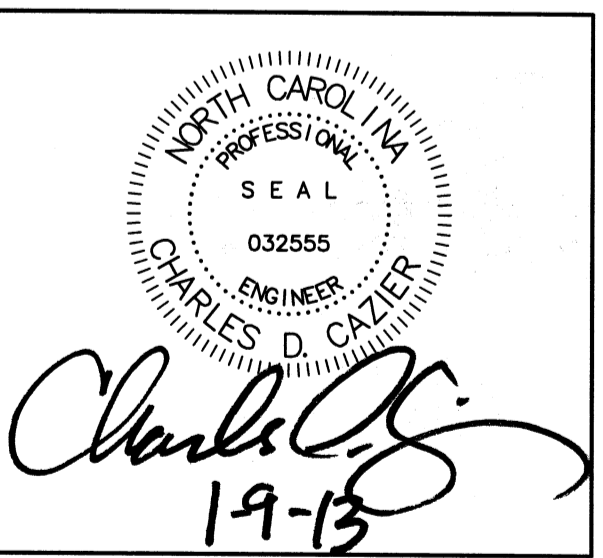
Name _____ Date _____
 Planning _____
 Public Utilities _____
 Traffic _____
 Fire _____

STORMWATER MANAGEMENT PLAN

APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____



EXISTING CONDITIONS
 FOR
**OLEANDER DRIVE
 SELF STORAGE**
 WILMINGTON, NC



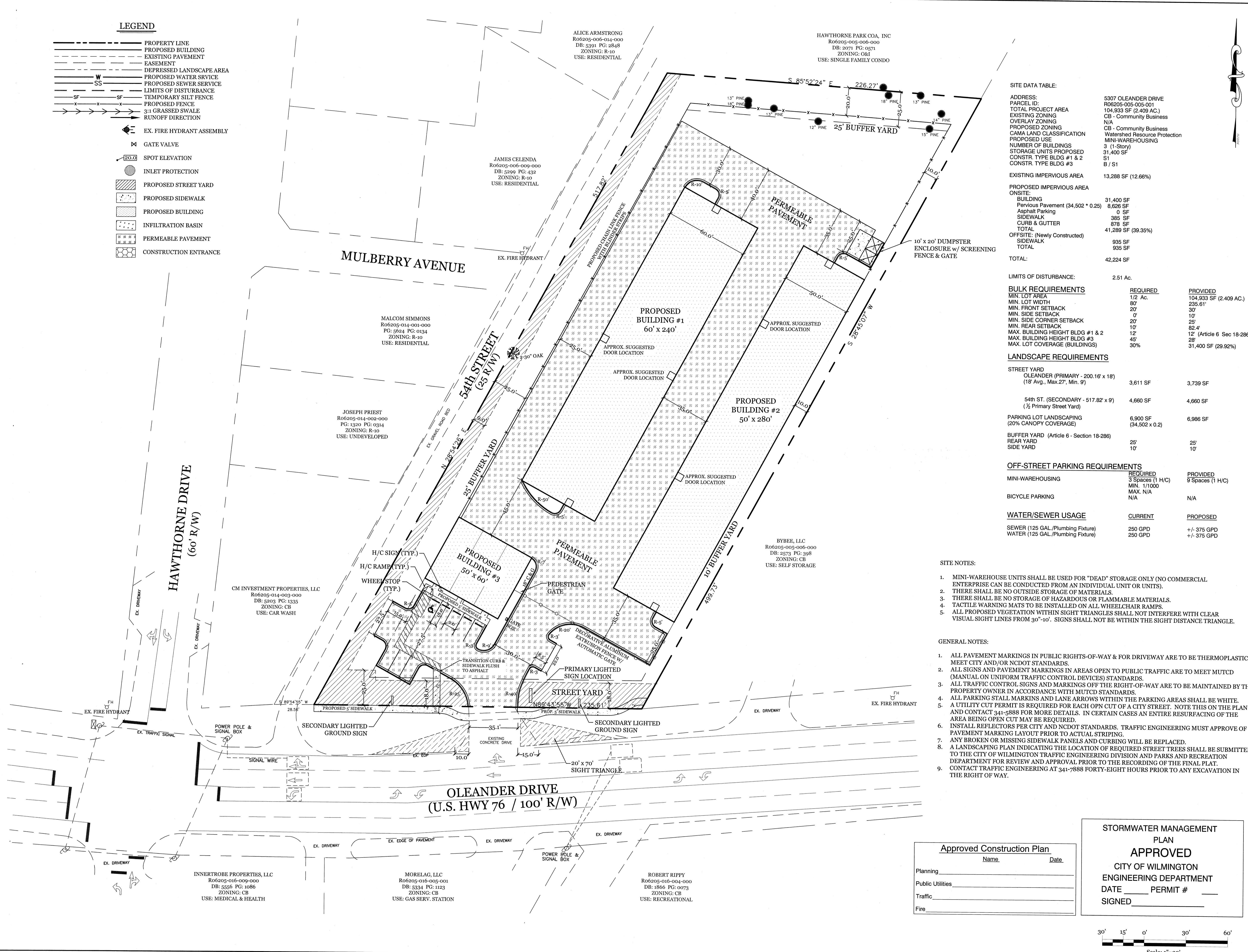
CLIENT INFORMATION:

PENTON DEVELOPMENT LLC.
 6105 OLEANDER DRIVE SUITE 201
 WILMINGTON, NC 28403
 (910) 452-1410

DRAWN: CDC	SHEET SIZE: 24X36
CHECKED: CDC	DATE: 01-09-13
APPROVED: CDC	SCALE: 1"=30'
PROJECT NUMBER: 100-081	

DRAWING NUMBER: **C-1**

LEGEND	
	PROPERTY LINE
	PROPOSED BUILDING
	EXISTING PAVEMENT
	EASEMENT
	DEPRESSED LANDSCAPE AREA
	PROPOSED WATER SERVICE
	PROPOSED SEWER SERVICE
	LIMITS OF DISTURBANCE
	TEMPORARY SILT FENCE
	PROPOSED FENCE
	3:1 GRASSED SWALE
	RUNOFF DIRECTION
	EX. FIRE HYDRANT ASSEMBLY
	GATE VALVE
	SPOT ELEVATION
	INLET PROTECTION
	PROPOSED STREET YARD
	PROPOSED SIDEWALK
	PROPOSED BUILDING
	INFILTRATION BASIN
	PERMEABLE PAVEMENT
	CONSTRUCTION ENTRANCE



SITE DATA TABLE:

ADDRESS:	5307 OLEANDER DRIVE
PARCEL ID:	R06205-005-005-001
TOTAL PROJECT AREA:	104,933 SF (2,409 AC.)
EXISTING ZONING:	CB - Community Business
OVERLAY ZONING:	N/A
PROPOSED ZONING:	CB - Community Business
CAMA LAND CLASSIFICATION:	Watershed Resource Protection
PROPOSED USE:	MINI-WAREHOUSING
NUMBER OF BUILDINGS:	3 (1-Story)
STORAGE UNITS PROPOSED:	31,400 SF
CONSTR. TYPE BLDG #1 & 2:	S1
CONSTR. TYPE BLDG #3:	B / S1
EXISTING IMPERVIOUS AREA:	13,288 SF (12.66%)
PROPOSED IMPERVIOUS AREA:	
ONSITE:	
BUILDING:	31,400 SF
Pervious Pavement (34,502 * 0.25):	8,626 SF
Asphalt Parking:	0 SF
SIDEWALK:	365 SF
CURB & GUTTER:	878 SF
TOTAL:	41,289 SF (39.35%)
OFFSITE: (Newly Constructed):	
SIDEWALK:	935 SF
TOTAL:	935 SF
TOTAL:	42,224 SF

LIMITS OF DISTURBANCE: 2.51 Ac.

BULK REQUIREMENTS	REQUIRED	PROVIDED
MIN. LOT AREA	1/2 Ac.	104,933 SF (2,409 AC.)
MIN. LOT WIDTH	80'	235.61'
MIN. FRONT SETBACK	20'	30'
MIN. SIDE SETBACK	0'	10'
MIN. SIDE CORNER SETBACK	20'	25'
MIN. REAR SETBACK	10'	82.4'
MAX. BUILDING HEIGHT BLDG #1 & 2	12'	12' (Article 6 Sec 18-286)
MAX. BUILDING HEIGHT BLDG #3	45'	28'
MAX. LOT COVERAGE (BUILDINGS)	30%	31,400 SF (29.92%)

LANDSCAPE REQUIREMENTS

STREET YARD		
OLEANDER (PRIMARY - 200.16' x 18')	3,611 SF	3,739 SF
(18' Avg., Max. 27', Min. 9')		
54th ST. (SECONDARY - 517.82' x 9')	4,660 SF	4,660 SF
(1/2 Primary Street Yard)		
PARKING LOT LANDSCAPING	6,900 SF	6,986 SF
(20% CANOPY COVERAGE)	(34,502 x 0.2)	
BUFFER YARD (Article 6 - Section 18-286)		
REAR YARD	25'	25'
SIDE YARD	10'	10'

OFF-STREET PARKING REQUIREMENTS

MINI-WAREHOUSING	REQUIRED 3 Spaces (1 H/C) MIN. 1/1000 MAX. N/A	PROVIDED 9 Spaces (1 H/C)
BICYCLE PARKING	N/A	N/A

WATER/SEWER USAGE

	CURRENT	PROPOSED
SEWER (125 GAL./Plumbing Fixture)	250 GPD	+/- 375 GPD
WATER (125 GAL./Plumbing Fixture)	250 GPD	+/- 375 GPD

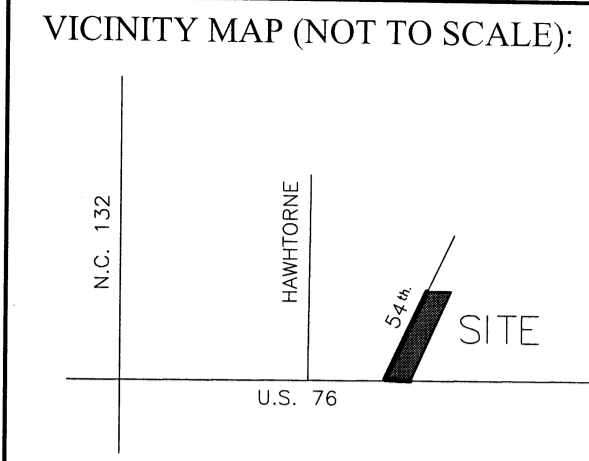
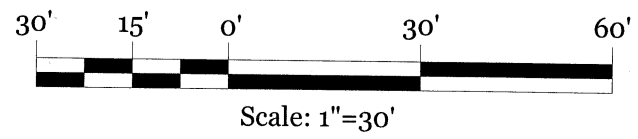
- SITE NOTES:**
- MINI-WAREHOUSE UNITS SHALL BE USED FOR "DEAD" STORAGE ONLY (NO COMMERCIAL ENTERPRISE CAN BE CONDUCTED FROM AN INDIVIDUAL UNIT OR UNITS).
 - THERE SHALL BE NO OUTSIDE STORAGE OF MATERIALS.
 - THERE SHALL BE NO STORAGE OF HAZARDOUS OR FLAMMABLE MATERIALS.
 - TACTILE WARNING MATS TO BE INSTALLED ON ALL WHEELCHAIR RAMPS.
 - ALL PROPOSED VEGETATION WITHIN SIGHT TRIANGLES SHALL NOT INTERFERE WITH CLEAR VISUAL SIGHT LINES FROM 30'-10'. SIGNS SHALL NOT BE WITHIN THE SIGHT DISTANCE TRIANGLE.

- GENERAL NOTES:**
- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY & FOR DRIVEWAY ARE TO BE THERMOPLASTIC & MEET CITY AND/OR NCDOT STANDARDS.
 - ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
 - ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
 - ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
 - A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET. NOTE THIS ON THE PLAN AND CONTACT 341-5888 FOR MORE DETAILS. IN CERTAIN CASES AN ENTIRE RESURFACING OF THE AREA BEING OPEN CUT MAY BE REQUIRED.
 - INSTALL REFLECTORS PER CITY AND NCDOT STANDARDS. TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKING LAYOUT PRIOR TO ACTUAL STRIPING.
 - ANY BROKEN OR MISSING SIDEWALK PANELS AND CURBING WILL BE REPLACED.
 - A LANDSCAPING PLAN INDICATING THE LOCATION OF REQUIRED STREET TREES SHALL BE SUBMITTED TO THE CITY OF WILMINGTON TRAFFIC ENGINEERING DIVISION AND PARKS AND RECREATION DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE RECORDING OF THE FINAL PLAT.
 - CONTACT TRAFFIC ENGINEERING AT 341-7888 FORTY-EIGHT HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT OF WAY.

Approved Construction Plan

Name	Date
Planning	
Public Utilities	
Traffic	
Fire	

STORMWATER MANAGEMENT PLAN
APPROVED
 CITY OF WILMINGTON
 ENGINEERING DEPARTMENT
 DATE _____ PERMIT # _____
 SIGNED _____



REVISIONS

NO.	DESCRIPTION

INTRACOASTAL ENGINEERING, PLLC
 91 Pelican Point Road
 Wilmington, North Carolina 28409
 Phone: 910 409 3567
 Email: Charlie@intracoastalengineering.com
 License Number P-0662

SITE PLAN
 FOR
OLEANDER DRIVE
SELF STORAGE
 WILMINGTON, NC

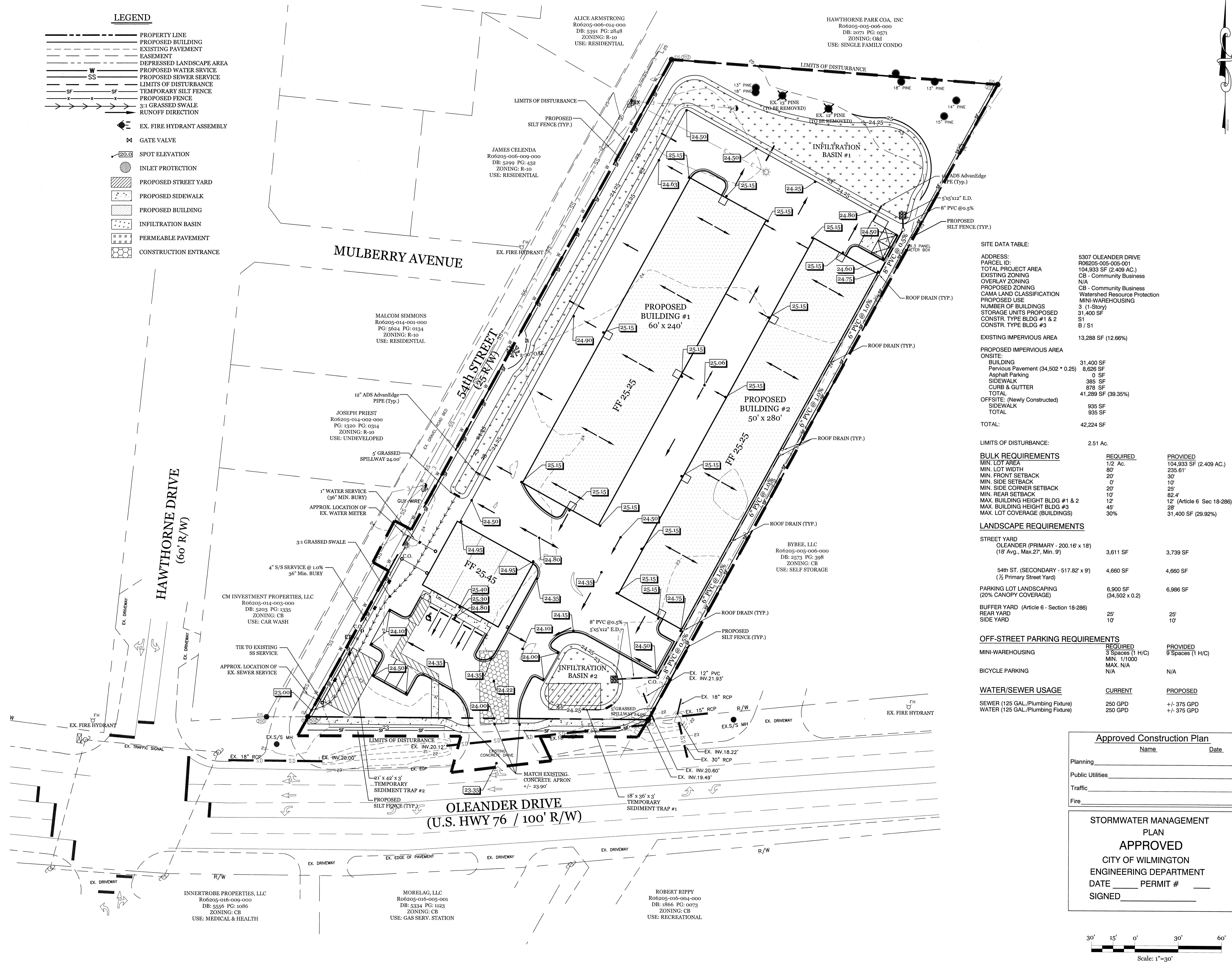
PROFESSIONAL SEAL
 NORTH CAROLINA
 032555
 ENGINEER
 CHARLES D. STETLER
 1-9-13

CLIENT INFORMATION:
 PENTON DEVELOPMENT LLC
 6105 OLEANDER DRIVE SUITE 201
 WILMINGTON, NC 28403
 (910) 452-1410

DRAWN: CDC	SHEET SIZE: 24X36
CHECKED: CDC	DATE: 01-09-13
APPROVED: CDC	SCALE: 1"=30'
PROJECT NUMBER: 100-081	

DRAWING NUMBER: **C-2**
 2 of 9

- LEGEND**
- PROPERTY LINE
 - PROPOSED BUILDING
 - EXISTING PAVEMENT
 - EASEMENT
 - DEPRESSED LANDSCAPE AREA
 - PROPOSED WATER SERVICE
 - PROPOSED SEWER SERVICE
 - LIMITS OF DISTURBANCE
 - TEMPORARY SILT FENCE
 - PROPOSED FENCE
 - 3:1 GRASSED SWALE
 - RUNOFF DIRECTION
 - EX. FIRE HYDRANT ASSEMBLY
 - GATE VALVE
 - SPOT ELEVATION
 - INLET PROTECTION
 - PROPOSED STREET YARD
 - PROPOSED SIDEWALK
 - PROPOSED BUILDING
 - INFILTRATION BASIN
 - PERMEABLE PAVEMENT
 - CONSTRUCTION ENTRANCE



SITE DATA TABLE:

ADDRESS:	5307 OLEANDER DRIVE
PARCEL ID:	R06205-005-005-001
TOTAL PROJECT AREA:	104,933 SF (2.409 AC.)
EXISTING ZONING:	CB - Community Business
OVERLAY ZONING:	N/A
PROPOSED ZONING:	CB - Community Business
CAMA LAND CLASSIFICATION:	Watershed Resource Protection
PROPOSED USE:	MINI-WAREHOUSING
NUMBER OF BUILDINGS:	3 (1-Story)
STORAGE UNITS PROPOSED:	31,400 SF
CONSTR. TYPE BLDG #1 & 2:	S1
CONSTR. TYPE BLDG #3:	B / S1
EXISTING IMPERVIOUS AREA:	13,288 SF (12.66%)
PROPOSED IMPERVIOUS AREA ONSITE:	
BUILDING:	31,400 SF
Pervious Pavement (34,502 * 0.25):	8,626 SF
Asphalt Parking:	0 SF
SIDEWALK:	385 SF
CURB & GUTTER:	878 SF
TOTAL:	41,269 SF (39.35%)
OFFSITE: (Newly Constructed):	
SIDEWALK:	935 SF
TOTAL:	935 SF
TOTAL:	42,224 SF

LIMITS OF DISTURBANCE:

2.51 Ac.	
BULK REQUIREMENTS	
MIN. LOT AREA	1/2 Ac.
MIN. LOT WIDTH	80'
MIN. FRONT SETBACK	20'
MIN. SIDE SETBACK	0'
MIN. SIDE CORNER SETBACK	20'
MIN. REAR SETBACK	10'
MAX. BUILDING HEIGHT BLDG #1 & 2	12'
MAX. BUILDING HEIGHT BLDG #3	45'
MAX. LOT COVERAGE (BUILDINGS)	30%

LANDSCAPE REQUIREMENTS

STREET YARD		
OLEANDER (PRIMARY - 200.16' x 18')		
(18' Avg., Max. 27', Min. 9')	3,611 SF	3,739 SF
54th ST. (SECONDARY - 517.82' x 9')		
(1/2 Primary Street Yard)	4,660 SF	4,660 SF
PARKING LOT LANDSCAPING		
(20% CANOPY COVERAGE)	6,900 SF	6,966 SF
(34,502 x 0.2)		
BUFFER YARD (Article 6 - Section 18-286)		
REAR YARD	25'	25'
SIDE YARD	10'	10'

OFF-STREET PARKING REQUIREMENTS

MINI-WAREHOUSING		
REQUIRED	PROVIDED	
3 Spaces (1 H/C)	9 Spaces (1 H/C)	
MIN. 1/1000		
MAX. N/A		
BICYCLE PARKING	N/A	N/A

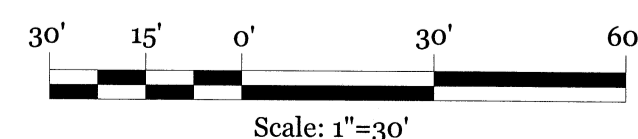
WATER/SEWER USAGE		
SEWER (125 GAL./Plumbing Fixture)	CURRENT	PROPOSED
250 GPD		+/- 375 GPD
WATER (125 GAL./Plumbing Fixture)		+/- 375 GPD

Approved Construction Plan

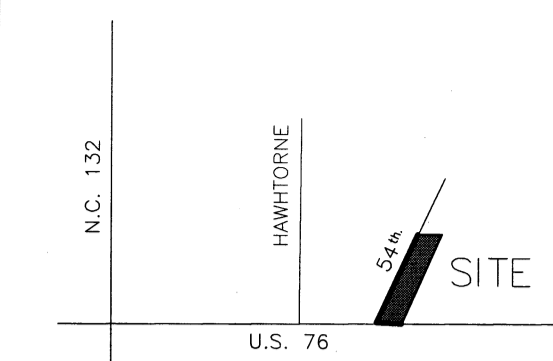
Name	Date

Planning	_____
Public Utilities	_____
Traffic	_____
Fire	_____

STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
SIGNED _____



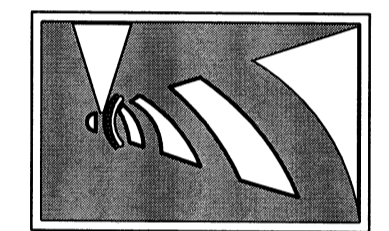
VICINITY MAP (NOT TO SCALE):



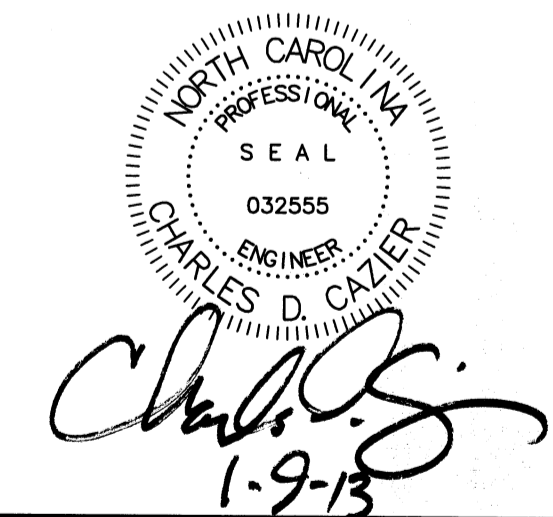
REVISIONS

NO.	DESCRIPTION	DATE

INTRACOASTAL ENGINEERING, PLLC
91 Pelican Point Road
Wilmington, North Carolina 28409
Phone: 910.409.3567
Email: Charlie@intracoastalengineering.com
License Number P-0662



GRADING, UTILITY, EROSION CONTROL, & STORMWATER PLAN FOR OLEANDER DRIVE SELF STORAGE WILMINGTON, NC

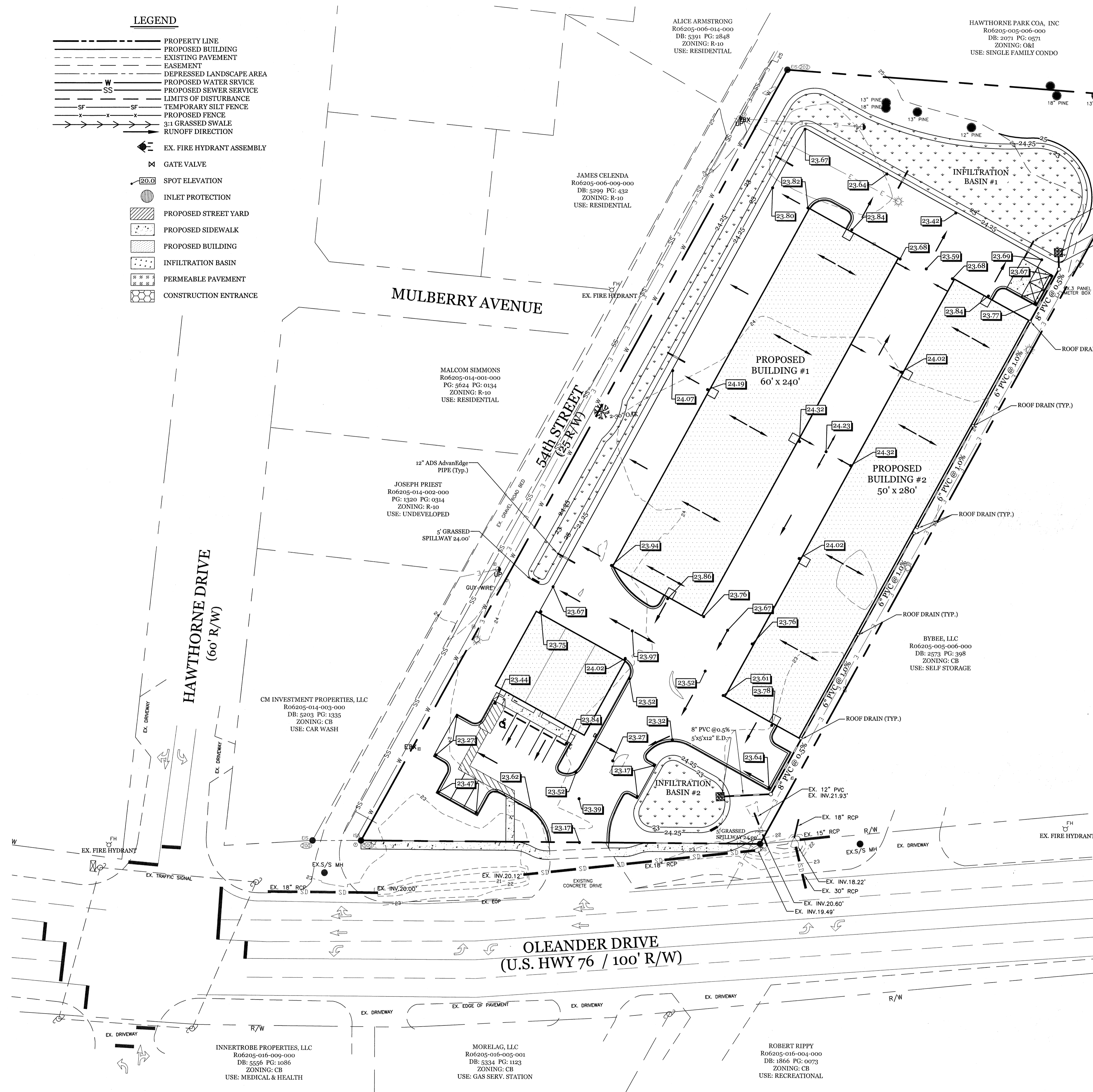


CLIENT INFORMATION:
PENTON DEVELOPMENT LLC
6105 OLEANDER DRIVE SUITE 201
WILMINGTON, NC 28403
(910) 452-1410

DRAWN:	CDC	SHEET SIZE:	24X36
CHECKED:	CDC	DATE:	01-09-13
APPROVED:	CDC	SCALE:	1"=30'
PROJECT NUMBER:	100-081		

DRAWING NUMBER: **C-3**

- LEGEND**
- PROPERTY LINE
 - PROPOSED BUILDING
 - EXISTING PAVEMENT
 - EASEMENT
 - DEPRESSED LANDSCAPE AREA
 - PROPOSED WATER SERVICE
 - PROPOSED SEWER SERVICE
 - LIMITS OF DISTURBANCE
 - TEMPORARY SILT FENCE
 - PROPOSED FENCE
 - 3:1 GRASSED SWALE
 - RUNOFF DIRECTION
 - EX. FIRE HYDRANT ASSEMBLY
 - GATE VALVE
 - SPOT ELEVATION
 - INLET PROTECTION
 - PROPOSED STREET YARD
 - PROPOSED SIDEWALK
 - PROPOSED BUILDING
 - INFILTRATION BASIN
 - PERMEABLE PAVEMENT
 - CONSTRUCTION ENTRANCE



SITE DATA TABLE:

ADDRESS:	5307 OLEANDER DRIVE
PARCEL ID:	R06205-005-005-001
TOTAL PROJECT AREA	104,933 SF (2.409 AC.)
EXISTING ZONING	CB - Community Business
OVERLAY ZONING	N/A
PROPOSED ZONING	CB - Community Business
CAMA LAND CLASSIFICATION	Watershed Resource Protection
PROPOSED USE	MINI-WAREHOUSING
NUMBER OF BUILDINGS	3 (1-Story)
STORAGE UNITS PROPOSED	31,400 SF
CONSTR. TYPE BLDG #1 & 2	S1
CONSTR. TYPE BLDG #3	B / S1
EXISTING IMPERVIOUS AREA	13,288 SF (12.66%)
PROPOSED IMPERVIOUS AREA	
ON-SITE:	
BUILDING	31,400 SF
Pervious Pavement (34,502 * 0.25)	8,626 SF
Asphalt Parking	0 SF
SIDEWALK	385 SF
CURB & GUTTER	878 SF
TOTAL	41,289 SF (39.35%)
OFF-SITE: (Newly Constructed)	
SIDEWALK	935 SF
TOTAL	935 SF
TOTAL:	42,224 SF

LIMITS OF DISTURBANCE:

	2.51 Ac.	
BULK REQUIREMENTS		
MIN. LOT AREA	1/2 Ac.	104,933 SF (2.409 AC.)
MIN. LOT WIDTH	90'	235.61'
MIN. FRONT SETBACK	30'	30'
MIN. SIDE SETBACK	0'	10'
MIN. SIDE CORNER SETBACK	20'	25'
MIN. REAR SETBACK	10'	82.4'
MAX. BUILDING HEIGHT BLDG #1 & 2	12'	12' (Article 6 Sec 18-286)
MAX. BUILDING HEIGHT BLDG #3	45'	28'
MAX. LOT COVERAGE (BUILDINGS)	30%	31,400 SF (29.92%)

LANDSCAPE REQUIREMENTS

STREET YARD		
OLEANDER (PRIMARY - 200.16' x 18')		
(18' Avg., Max. 27', Min. 9')	3,611 SF	3,739 SF
54th ST. (SECONDARY - 517.82' x 9')		
(1/2 Primary Street Yard)	4,660 SF	4,660 SF
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(34,502 x 0.2)		
BUFFER YARD (Article 6 - Section 18-286)		
REAR YARD	25'	25'
SIDE YARD	10'	10'

OFF-STREET PARKING REQUIREMENTS

MINI-WAREHOUSING		
	REQUIRED	PROVIDED
	3 Spaces (1 H/C)	9 Spaces (1 H/C)
	MIN. 1/1000	
	MAX. N/A	
	N/A	N/A

BICYCLE PARKING

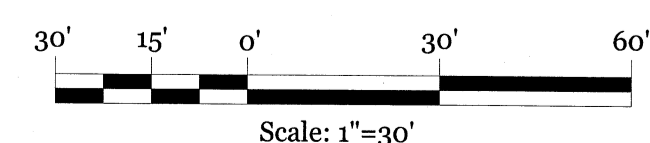
WATER/SEWER USAGE

	CURRENT	PROPOSED
SEWER (125 GAL./Plumbing Fixture)	250 GPD	+/- 375 GPD
WATER (125 GAL./Plumbing Fixture)	250 GPD	+/- 375 GPD

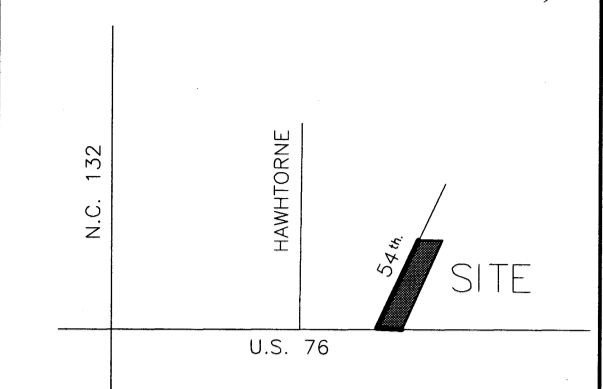
Approved Construction Plan

Name	Date
Planning	
Public Utilities	
Traffic	
Fire	

STORMWATER MANAGEMENT PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
SIGNED _____



VICINITY MAP (NOT TO SCALE):



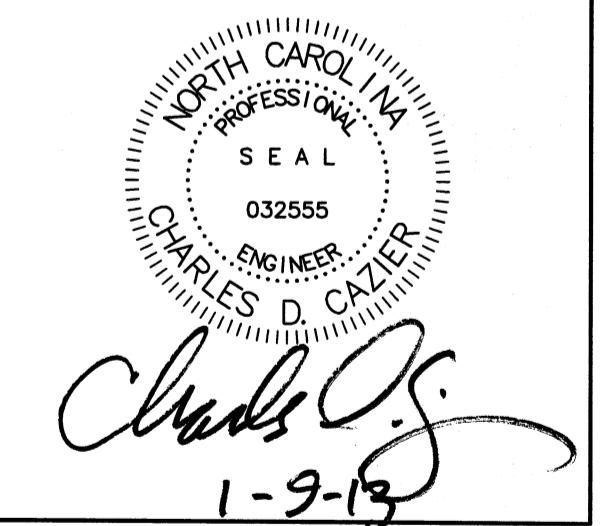
REVISIONS

NO.	DESCRIPTION	DATE

INTRACOASTAL ENGINEERING, PLLC
91 Pelican Point Road
Wilmington, North Carolina 28409
Phone: 910.409.3567
Email: Charlie@intracoastalengineering.com
License Number P-0662



SUBGRADE PLAN
FOR
OLEANDER DRIVE
SELF STORAGE
WILMINGTON, NC

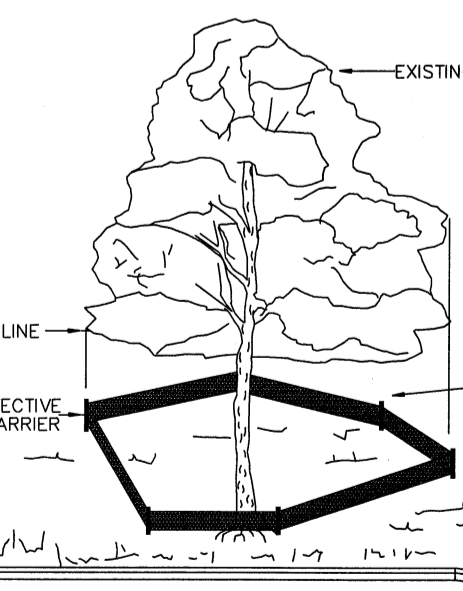
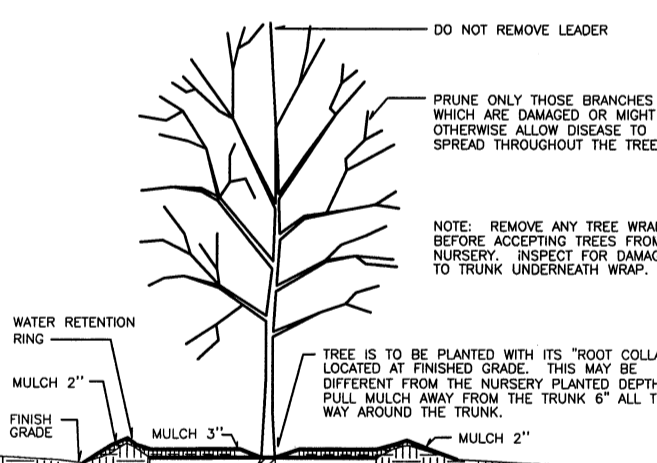
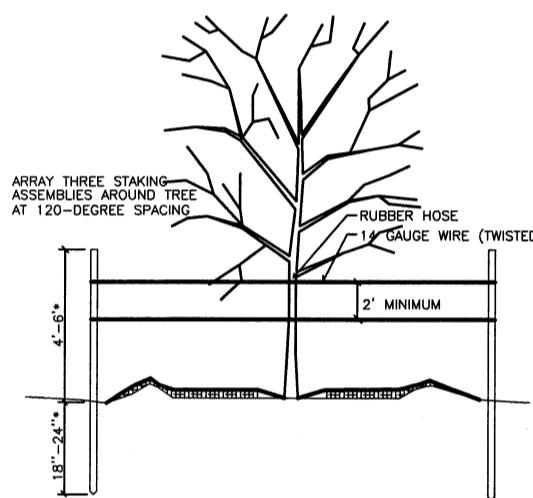
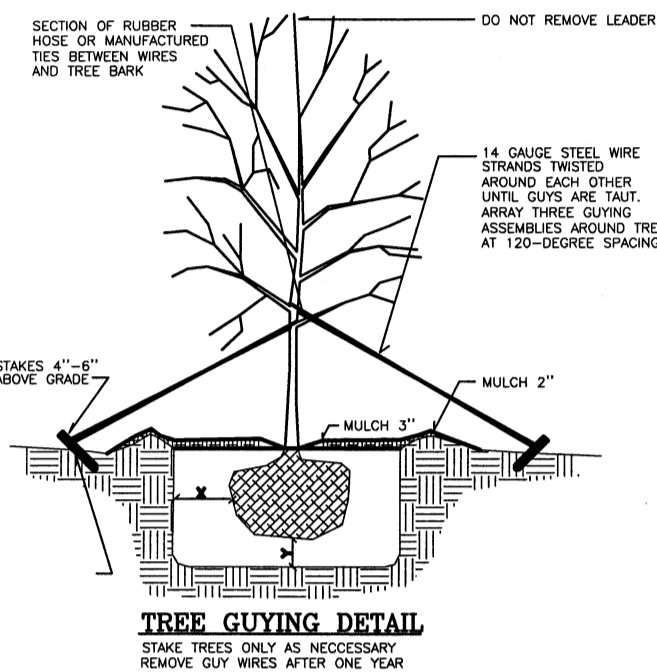
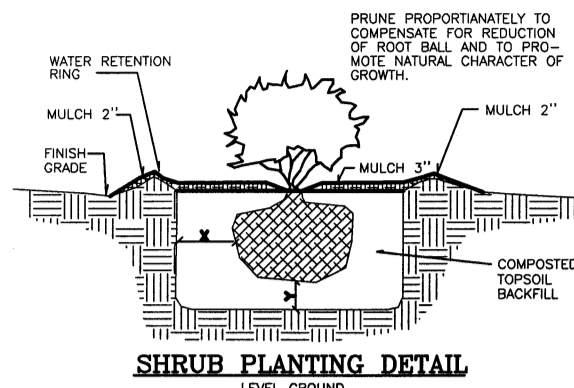


CLIENT INFORMATION:

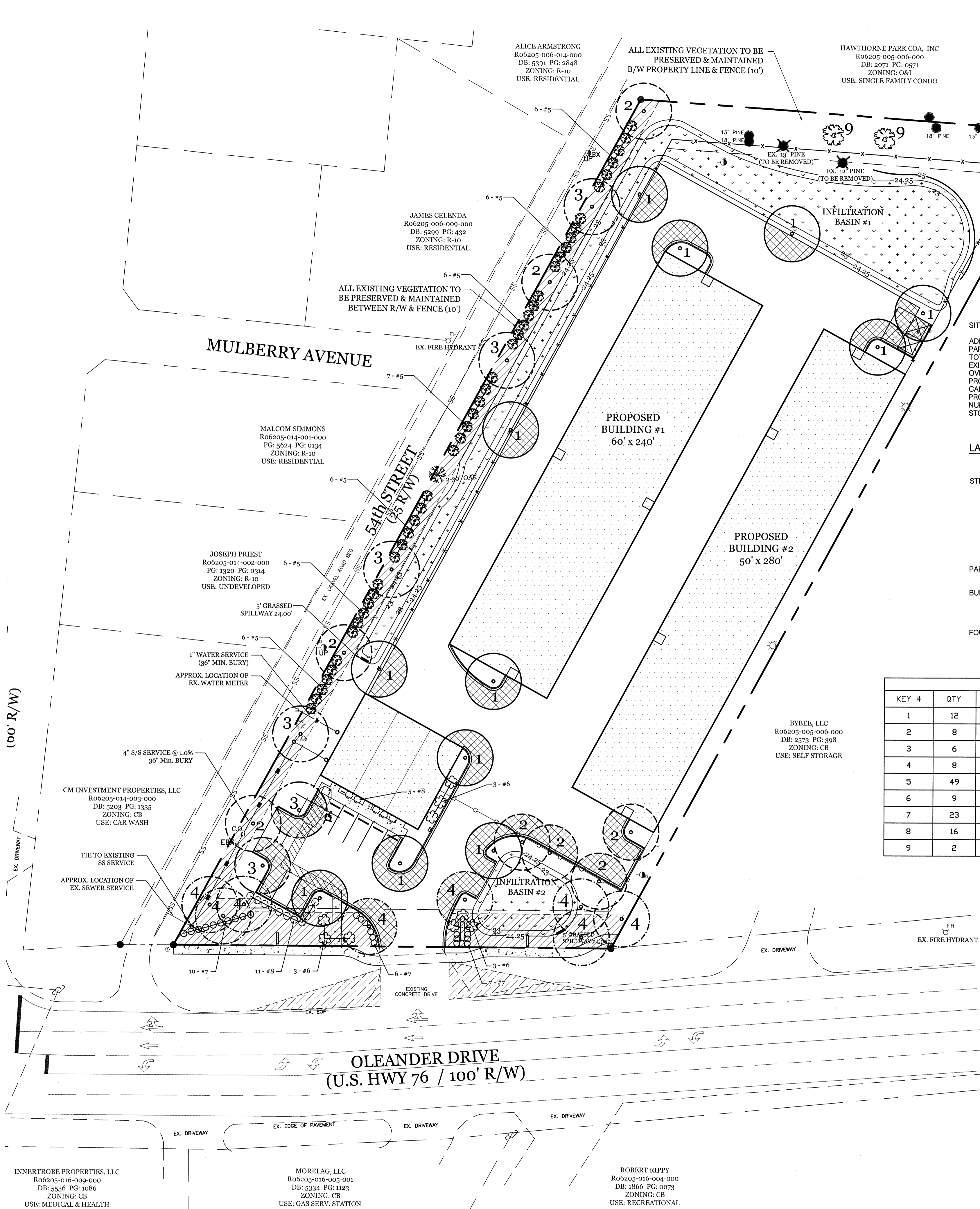
PENTON DEVELOPMENT LLC
6105 OLEANDER DRIVE SUITE 201
WILMINGTON, NC 28403
(910) 452-1410

DRAWN:	CDC	SHEET SIZE:	24X36
CHECKED:	CDC	DATE:	01-09-13
APPROVED:	CDC	SCALE:	1" = 30'
PROJECT NUMBER:	100-081		

DRAWING NUMBER: **C-4**



METHOD OF TREE PROTECTION DURING CONSTRUCTION
SD 15-08
NOT TO SCALE



- LEGEND**
- PROPERTY LINE
 - PROPOSED BUILDING
 - EXISTING PAVEMENT
 - EASEMENT
 - DEPRESSED LANDSCAPE AREA
 - PROPOSED WATER SERVICE
 - PROPOSED SEWER SERVICE
 - LIMITS OF DISTURBANCE
 - TEMPORARY SILT FENCE
 - PROPOSED FENCE
 - 3:1 GRASSSED SWALE
 - RUNOFF DIRECTION
 - EX. FIRE HYDRANT ASSEMBLY
 - GATE VALVE
 - SPOT ELEVATION
 - INLET PROTECTION
 - PROPOSED STREET YARD
 - PROPOSED SIDEWALK
 - PROPOSED BUILDING
 - INFILTRATION BASIN
 - PERMEABLE PAVEMENT
 - CONSTRUCTION ENTRANCE
 - CANOPY COVERAGE

SITE DATA TABLE:

ADDRESS:
PARCEL ID:
TOTAL PROJECT AREA
EXISTING ZONING
OVERLAY ZONING
PROPOSED ZONING
CAMA LAND CLASSIFICATION
PROPOSED USE
NUMBER OF BUILDINGS
STORAGE UNITS PROPOSED

5307 OLEANDER DRIVE
R06205-005-001-001
104,933 SF (2.409 AC.)
CB - Community Business
N/A
CB - Community Business
Watershed Resource Protection
MINI-WAREHOUSING
3 (1-Story)
31,400 SF

LANDSCAPE REQUIREMENTS

	REQUIRED	PROVIDED
STREET YARD OLEANDER (PRIMARY - 200.16' x 18') (18' Avg. Max 27', Min. 9') 3,611 / 600 = 6 Canopy Trees 3,611 / 600 x 6 = 36 Shrubs	3,611 SF 6 Canopy Trees 36 Shrubs	3,739 SF 6 Canopy Trees 36 Shrubs
54th ST. (SECONDARY - 517.82' x 9') (1/2 Primary Street Yard) 4,600 / 600 = 8 Canopy Trees 4,600 / 600 x 6 = 48 Shrubs	4,660 SF 8 Canopy Trees 48 Shrubs	4,660 SF 9 Canopy Trees (Includes Ex. 30' Oak) 48 Shrubs
PARKING LOT LANDSCAPING 20% Canopy Coverage (34,502 x 0.2)	6,900 SF	6,986 SF 20 Canopy Trees
BUFFER YARD REAR YARD (226 l.f.) 1 Tree / 30 l.f.	8 Trees	8 Trees (Includes 6 Ex. Pine Trees)
SIDE YARD	N/A	N/A
FOUNDATION PLANTING 110 l.f. x 12' x 0.12' = 158.4 s.f.	159 LF	463 LF

LANDSCAPE AREA PLANT LIST				
KEY #	QTY.	BOTANICAL NAME	COMMON NAME	TYPE
1	12	ACER RUBRUM	RED MAPLE	LARGE SHADE TREE
2	8	QUERCUS VIRGINIANA	LIVE OAK	LARGE SHADE TREE
3	6	QUERCUS PALUSTRIS	PIN OAK	LARGE SHADE TREE
4	8	ZELKOVA GREEN VASE	ZELKOVA	LARGE SHADE TREE
5	49	ELAEAGNUS PUNGENS	SILVERTHORN	SHRUB
6	9	SABAL PALMETTO	SABAL PALM	SHRUB
7	23	LOROPETULUM SPP	LOROPETULUM	SHRUB
8	16	BURFORDII NANA	DWARF BURFORD HOLLY	SHRUB
9	2	MORELLA CERIFERA	WAX MYRTLE	SMALL SHADE TREE

- NOTE:**
- PRIOR TO ANY CLEARING, GRADING, OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING WILL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES. NO CONSTRUCTION WORKERS, TOOLS, MATERIALS OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
 - LANDSCAPE SPECIFICATIONS, SPECIES, & SIZES PROVIDED BY OWNER. INTRACOASTAL ENGINEERING PROVIDED DRAFTING SERVICES ONLY.

Approved Construction Plan

Name _____ Date _____

Planning _____

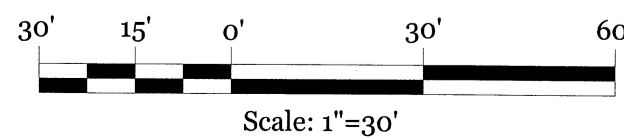
Public Utilities _____

Traffic _____

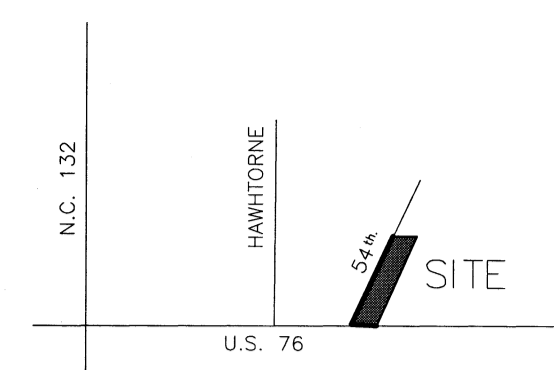
Fire _____

STORMWATER MANAGEMENT

PLAN
APPROVED
CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
SIGNED _____



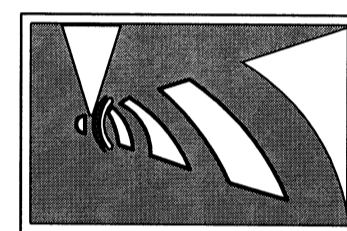
VICINITY MAP (NOT TO SCALE):



REVISIONS

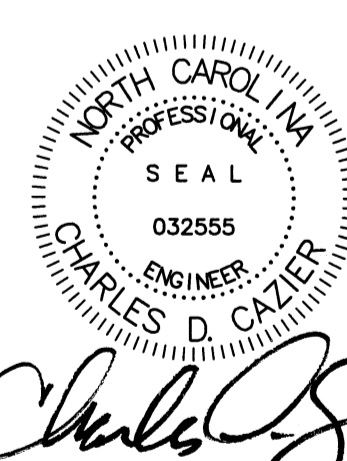
NO.	DESCRIPTION	DATE

INTRACOASTAL
ENGINEERING, PLLC
91 Pelican Point Road
Wilmington, North Carolina 28409
Phone: 910.409.3567
Email: charlie@intracoastalengineering.com
License Number P-0662



LANDSCAPE PLAN

FOR
OLEANDER DRIVE
SELF STORAGE
WILMINGTON, NC



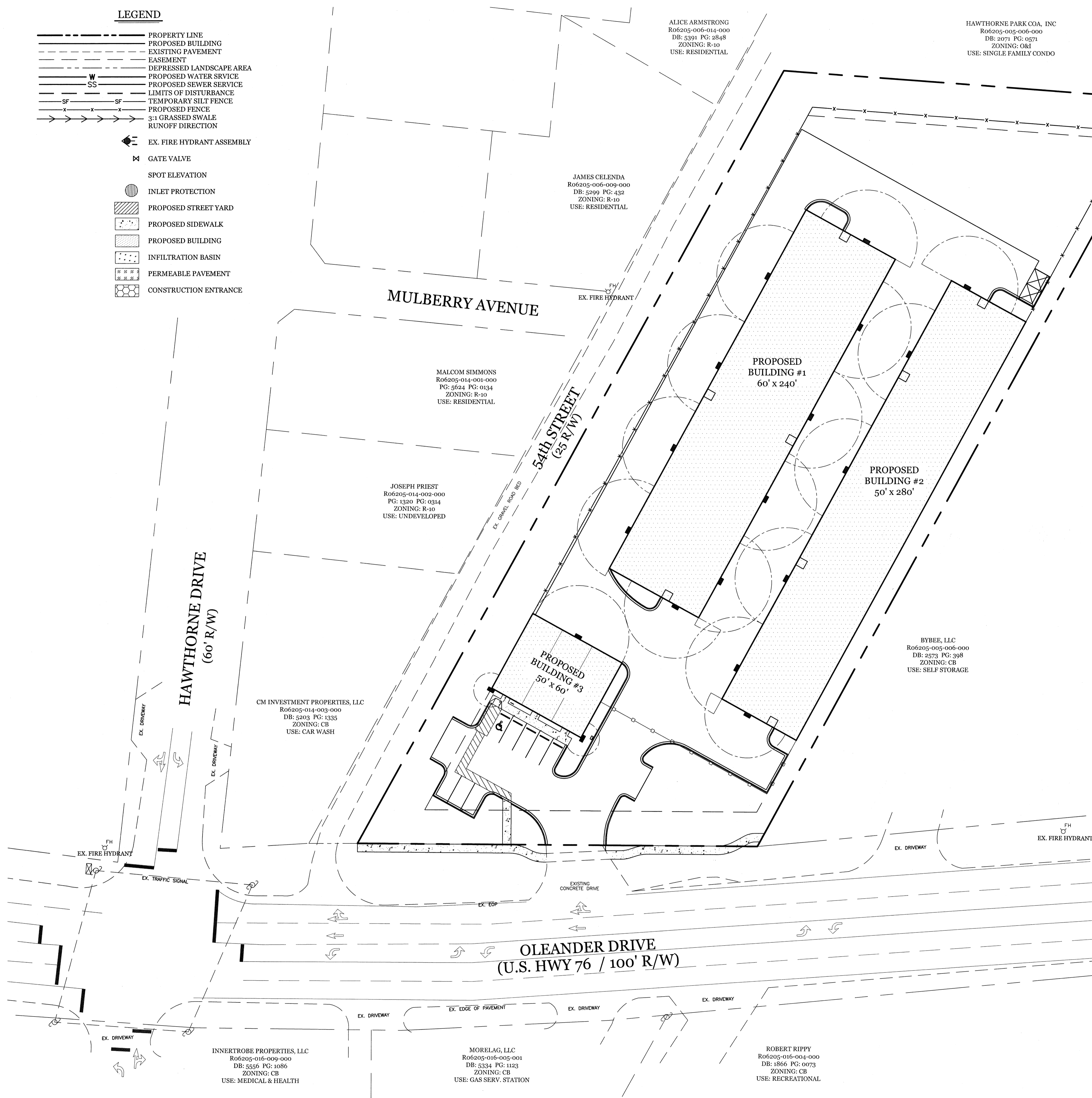
CLIENT INFORMATION:

PENTON DEVELOPMENT LLC.
6105 OLEANDER DRIVE SUITE 201
WILMINGTON, NC 28403
(910) 452-1410

DRAWN: CDC	SHEET SIZE: 24X36
CHECKED: CDC	DATE: 01-09-13
APPROVED: CDC	SCALE: 1"=30'
PROJECT NUMBER: 100-081	

DRAWING NUMBER:
C-5

- LEGEND**
- PROPERTY LINE
 - PROPOSED BUILDING
 - EXISTING PAVEMENT
 - EASEMENT
 - DEPRESSED LANDSCAPE AREA
 - PROPOSED WATER SERVICE
 - PROPOSED SEWER SERVICE
 - LIMITS OF DISTURBANCE
 - TEMPORARY SILT FENCE
 - PROPOSED FENCE
 - 3:1 GRASSED SWALE
 - RUNOFF DIRECTION
 - EX. FIRE HYDRANT ASSEMBLY
 - GATE VALVE
 - SPOT ELEVATION
 - INLET PROTECTION
 - PROPOSED STREET YARD
 - PROPOSED SIDEWALK
 - PROPOSED BUILDING
 - INFILTRATION BASIN
 - PERMEABLE PAVEMENT
 - CONSTRUCTION ENTRANCE



- NOTE:**
1. ALL OUTDOOR LIGHTING SHALL BE INSTALLED SO AS NOT TO EXCEED TEN (10) FEET IN HEIGHT AND NOT TO SHINE OR REFLECT DIRECTLY ON SURROUNDING PROPERTIES.
 2. LIGHTING SPECIFICATIONS, SIZES, & LOCATIONS PROVIDED BY OWNER. INTRACOASTAL ENGINEERING PROVIDED DRAFTING SERVICES ONLY.

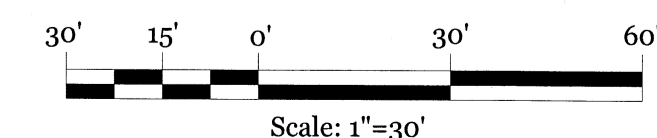
Approved Construction Plan

Name	Date
Planning	
Public Utilities	
Traffic	
Fire	

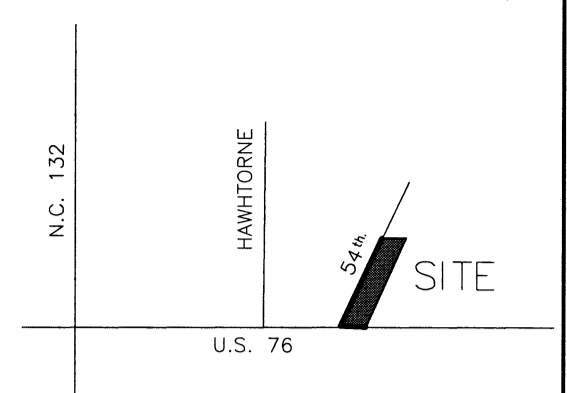
STORMWATER MANAGEMENT PLAN

APPROVED

CITY OF WILMINGTON
ENGINEERING DEPARTMENT
DATE _____ PERMIT # _____
SIGNED _____

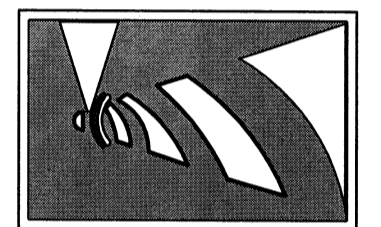


VICINITY MAP (NOT TO SCALE):

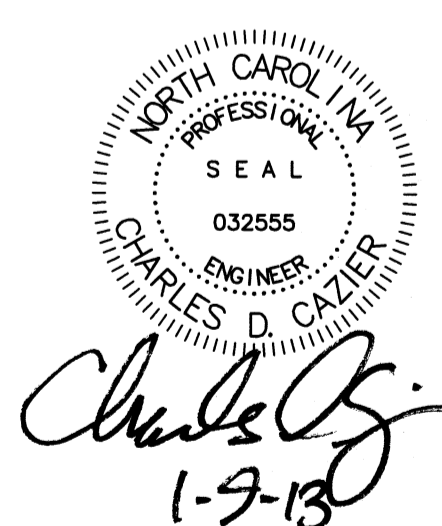


REVISIONS

INTRACOASTAL ENGINEERING, PLLC
91 Pelican Point Road
Wilmington, North Carolina 28409
Phone: 910.409.3567
Email: Charlie@intracoastalengineering.com
License Number P-0662



LIGHTING PLAN
FOR
OLEANDER DRIVE SELF STORAGE
WILMINGTON, NC



CLIENT INFORMATION:

PENTON DEVELOPMENT LLC.
6105 OLEANDER DRIVE SUITE 201
WILMINGTON, NC 28403
(910) 452-1410

DRAWN:	CDC	SHEET SIZE:	24X36
CHECKED:	CDC	DATE:	01-09-13
APPROVED:	CDC	SCALE:	1"=30'
PROJECT NUMBER:	100-081		

DRAWING NUMBER: **C-6**

LATE WINTER & EARLY SPRING TEMPORARY GRASSING DETAIL

SEEDING MIXTURE

SPECIES

Rye (grass)
Annual lespedeza (Sole in Piedmont and Coastal Plains, Korean in Mountains)
Omit annual lespedeza when duration of temporary cover is not to extend beyond June.

SEEDING DATES:

Mountains - Above 500 ft. Feb. 15-May 15
Below 500 ft. Feb. 1-May 1
Piedmont - Jan. 1-May 1
Coastal Plain - Dec. 1-Apr. 15

SOIL AMENDMENTS

Follow recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 750 lb/acre 10-10-10 fertilizer.

MULCH

APPLY 4,000 LB/ACRE STRAW, ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE

Re-fertilize if growth is not fully adequate. Reseed, re-fertilize and mulch immediately following erosion or other damage.

TEMPORARY SUMMER GRASSING DETAIL

SEEDING MIXTURE

SPECIES

GERMAN MILLET

RATE (lb/acre)

40

IN THE PIEDMONT AND MOUNTAINS, A SMALL-STEMMED SUNGRASS MAY BE SUBSTITUTED AT A RATE OF 30 LB/ACRE.

SEEDING NOTES

MOUNTAINS - MAY 15-AUG. 15
PIEDMONT - MAY 15-AUG. 15
COASTAL PLAIN - APR. 15-AUG. 15

SOIL AMENDMENTS

FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 LB/ACRE 10-10-10 FERTILIZER.

MULCH

APPLY 4,000 LB/ACRE STRAW, ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE

Re-fertilize if growth is not fully adequate. Reseed, re-fertilize and mulch immediately following erosion or other damage.

TEMPORARY FALL GRASSING DETAIL

SEEDING MIXTURE

SPECIES

Rye (grass)

RATE (lb/acre)

120

SEEDING NOTES

MOUNTAINS - AUG. 15-DEC. 15
COASTAL PLAIN AND PIEDMONT - AUG. 15-DEC. 30

SOIL AMENDMENTS

FOLLOW SOIL TESTS OR APPLY 2,000 LB/ACRE GROUND AGRICULTURAL LIMESTONE AND 1,000 LB/ACRE 10-10-10 FERTILIZER.

MULCH

APPLY 4,000 LB/ACRE STRAW, ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE

Repair and re-fertilize damaged areas immediately. Topdress with 50 lb/acre of nitrogen in March. If it is necessary to extend temporary cover beyond June 15, overseed with 50 lb/acre Rye (Piedmont and Coastal Plains) or Korean (Mountains) lespedeza in late February or early March.

SPRING-SUMMER PERMANENT GRASSING DETAIL

SEEDING MIXTURE

SPECIES

PENSACOLA BAHIA GRASS
SERICEA LESPEDEZA
COMMON BERBERIS GRASS
GERMAN MILLET
TALL FESCUE

RATE (lb/acre)

50
50
10
10
50

SEEDING NOTES

1. WHERE A NEAT APPEARANCE IS DESIRED, OMIT SERICEA.
2. USE COMMON BERBERIS GRASS ONLY ON ISOLATED SPOTS WHERE IT CANNOT BECOME A PEST. BERBERIS GRASS MAY BE REPLACED WITH 1 lb/acre CENTIPED GRASS.

SEEDING DATES

APRIL 1 - JULY 15

SOIL AMENDMENTS

APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 3,000-5,000 lb/acre GROUND AGRICULTURAL LIMESTONE AND 500 lb/acre 10-10-10 FERTILIZER.

MULCH

APPLY 4,000 lb/acre GRASS STRAW EQUIVALENT COVER OF ANOTHER SUITABLE MULCH, ANCHOR BY TACKING WITH ASPHALT, ROYING, OR NETTING OR BY CRIMPING WITH A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

FALL-WINTER PERMANENT GRASSING DETAIL

SEEDING MIXTURE

SPECIES

TALL FESCUE (BLEND OF TWO OR THREE IMPROVED VARIETIES)
RYE (GRASS)

RATE (lb/acre)

200
50

SEEDING DATES

JANUARY - APRIL
AUGUST - DECEMBER

SOIL AMENDMENTS

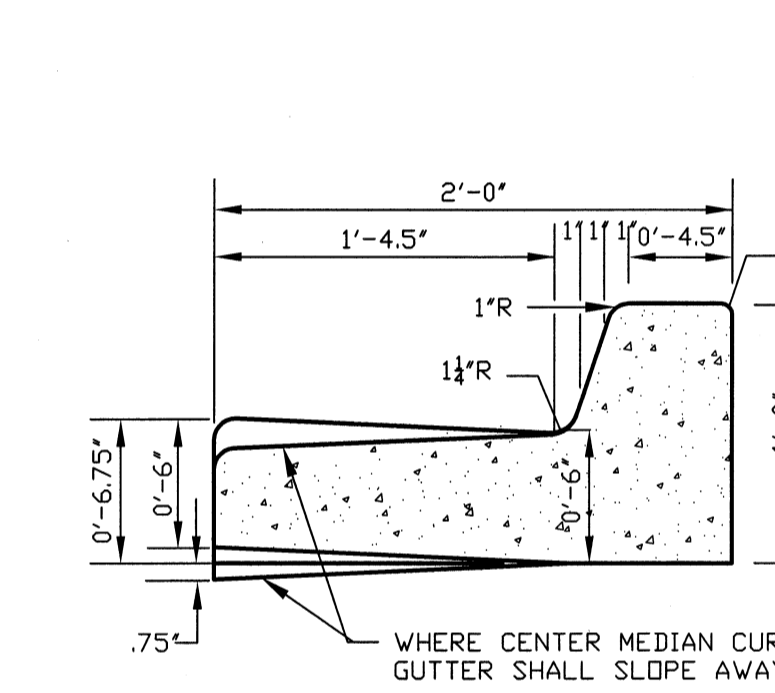
APPLY LIME AND FERTILIZER ACCORDING TO SOIL TESTS, OR APPLY 3,000-5,000 lb/acre GROUND AGRICULTURAL LIMESTONE (USE THE LOWER RATE ON SANDY SOILS) AND 1,000 lb/acre 10-10-10 FERTILIZER.

MULCH

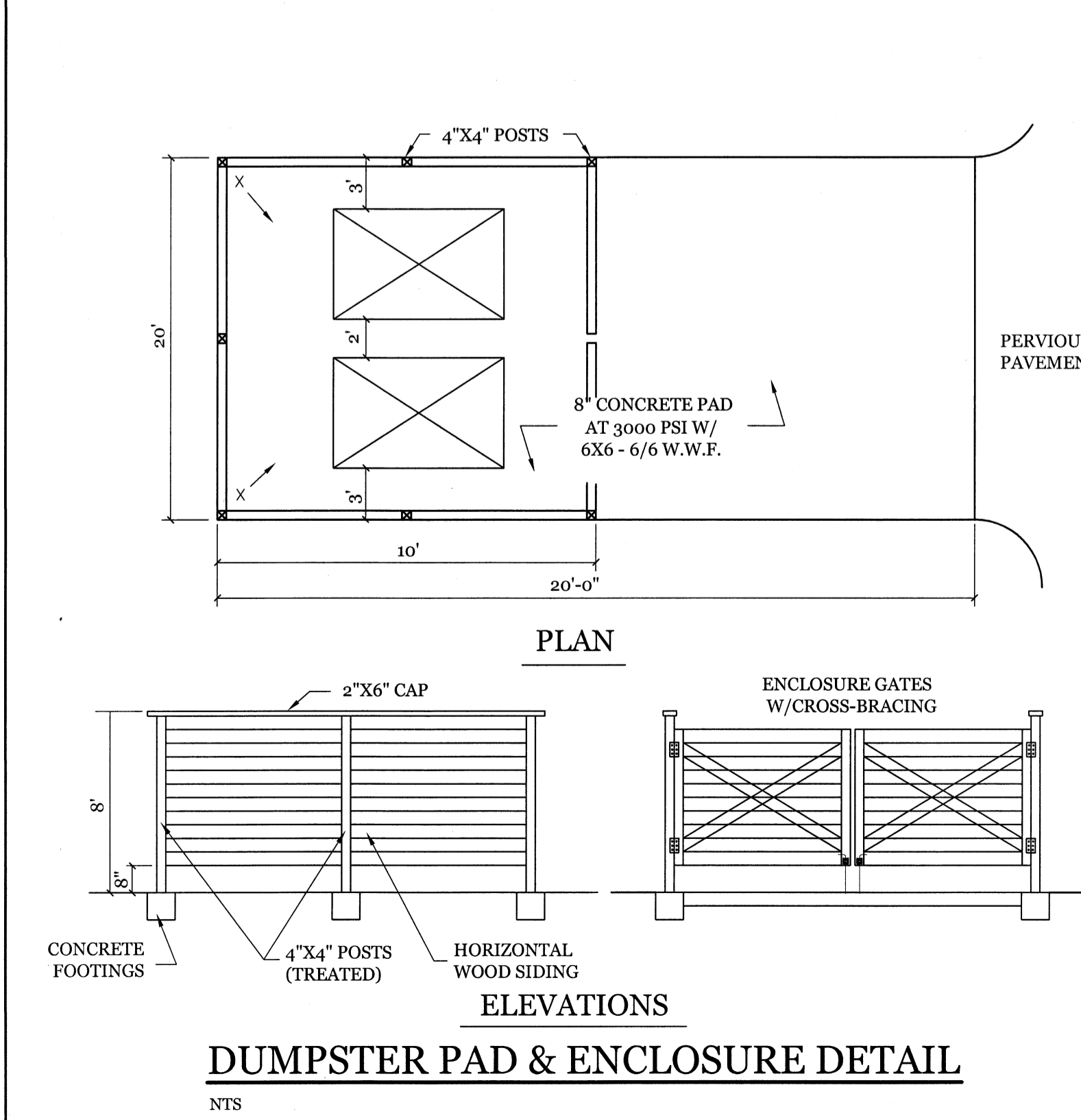
APPLY 4,000 lb/acre GRASS STRAW OR EQUIVALENT COVER OF ANOTHER SUITABLE MULCH, ANCHOR STRAW BY TACKING WITH ASPHALT, ROYING, OR NETTING OR BY CRIMPING WITH A MULCH ANCHORING TOOL. A DISK WITH BLADES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.

MAINTENANCE

FERTILIZE ACCORDING TO SOIL TESTS OR APPLY 40 lb/acre NITROGEN IN JANUARY OR FEBRUARY, 40 lb IN SEPTEMBER AND 40 lb IN NOVEMBER, FROM A 12-4-8, 16-4-8, OR SIMILAR TOP FERTILIZER. AVOID FERTILIZER APPLICATION DURING WARM WEATHER, AS THIS INCREASES STAND LOSSES TO DISEASE, RUSS, FERTILIZER, AND MULCH DAMAGED AREAS IMMEDIATELY. MOW TO A HEIGHT OF 2.5-3.5 INCHES.



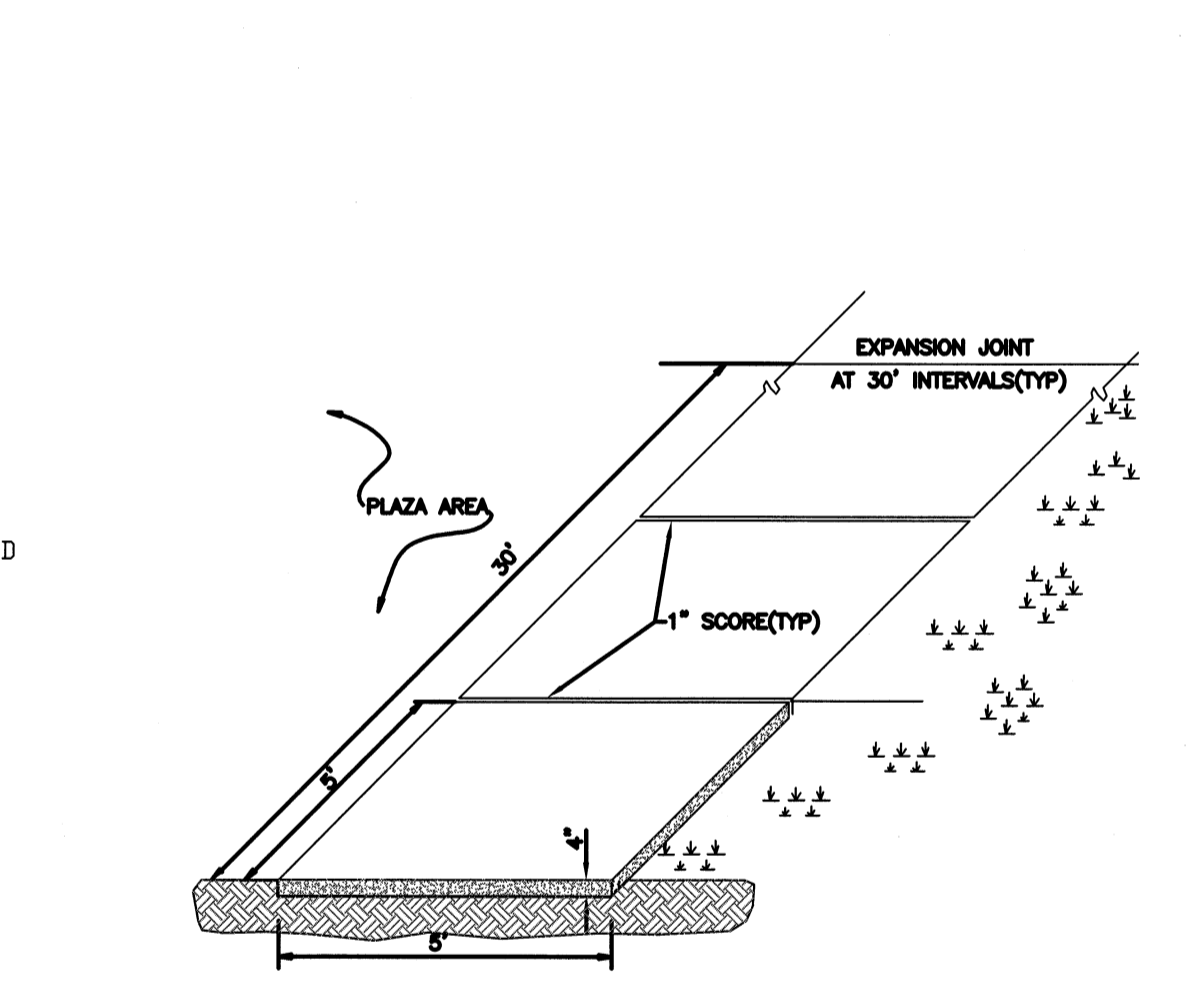
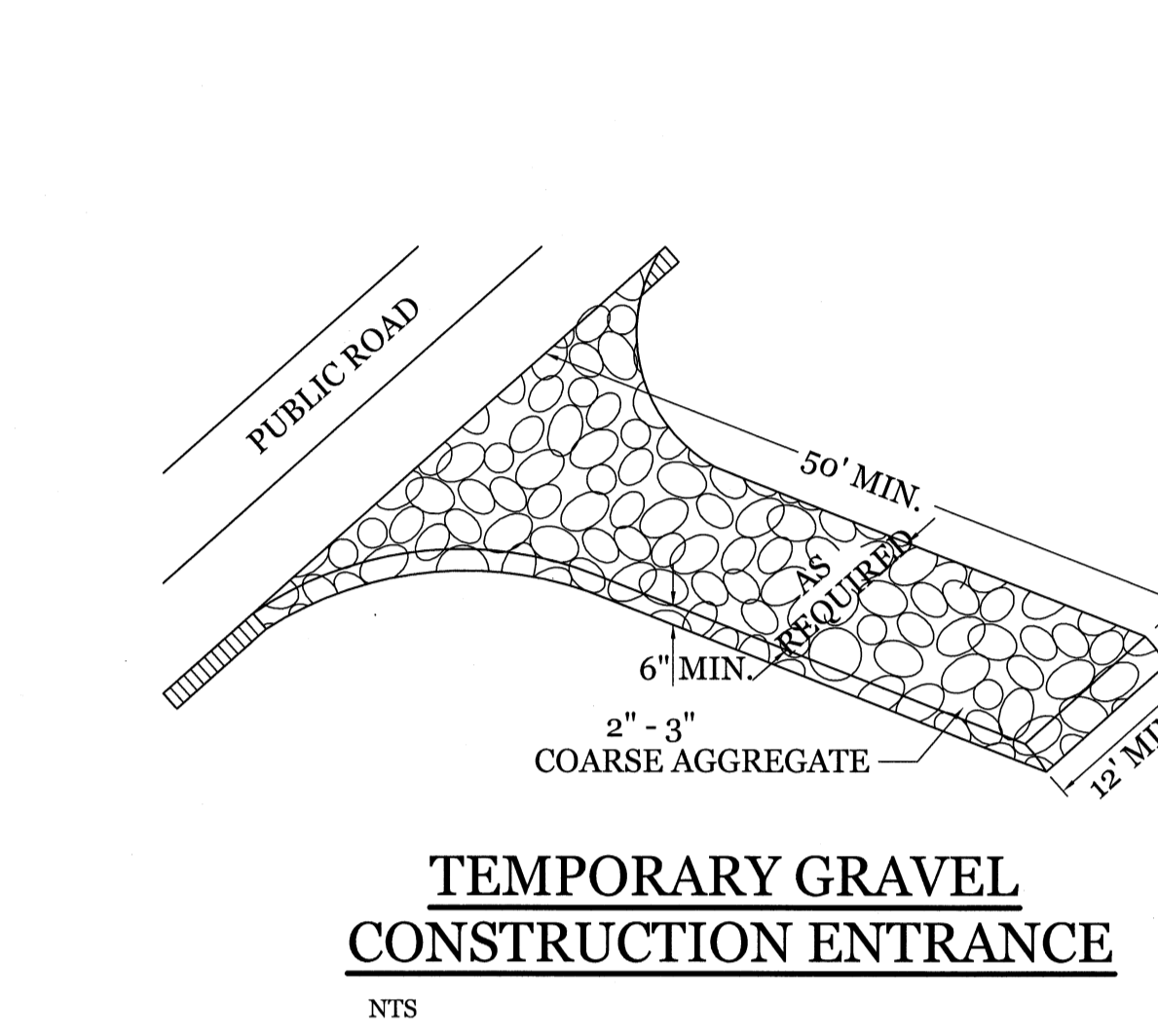
STANDARD 6" CURB SECTION
TYPE "A" SD 7-01
NTS



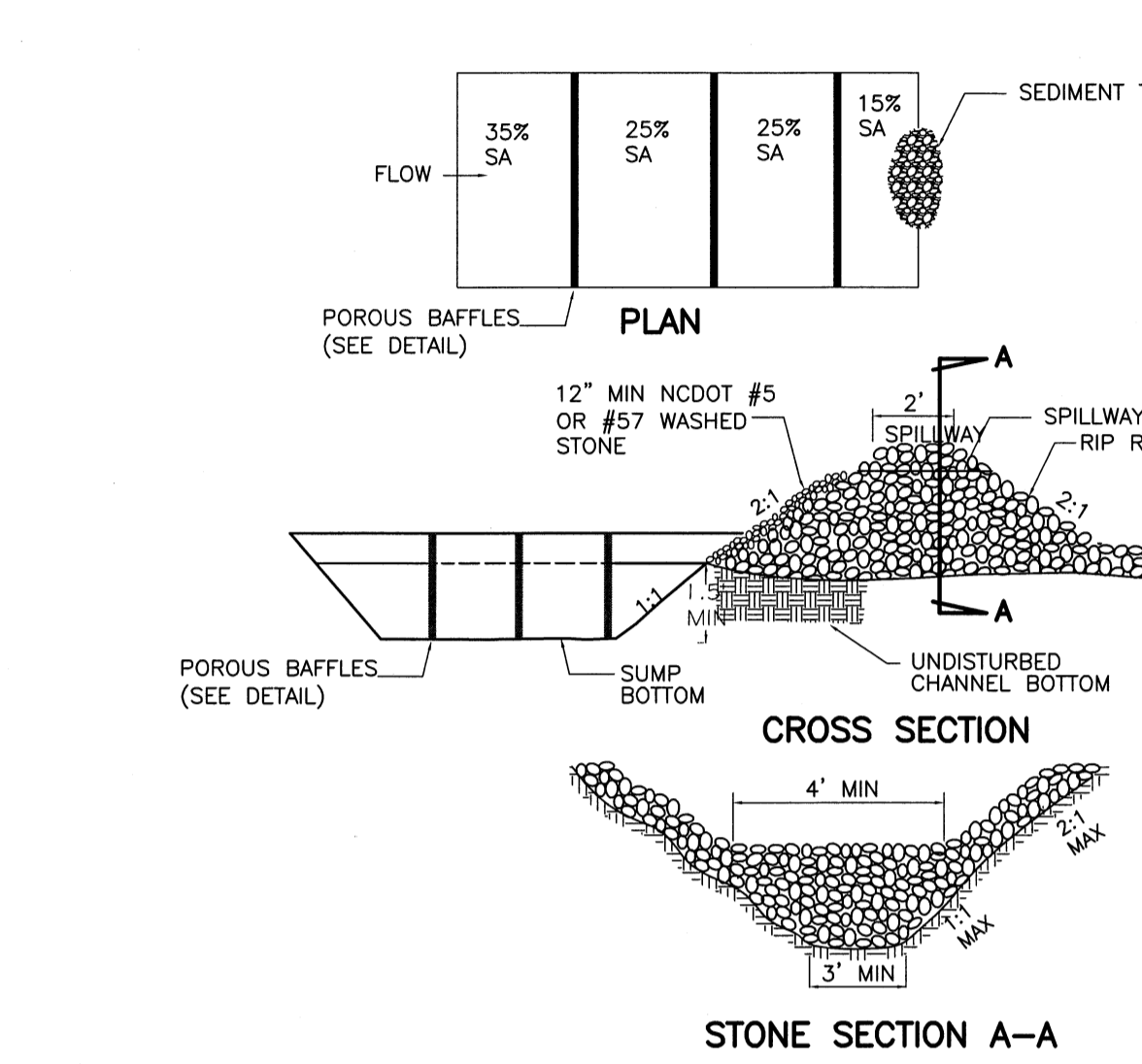
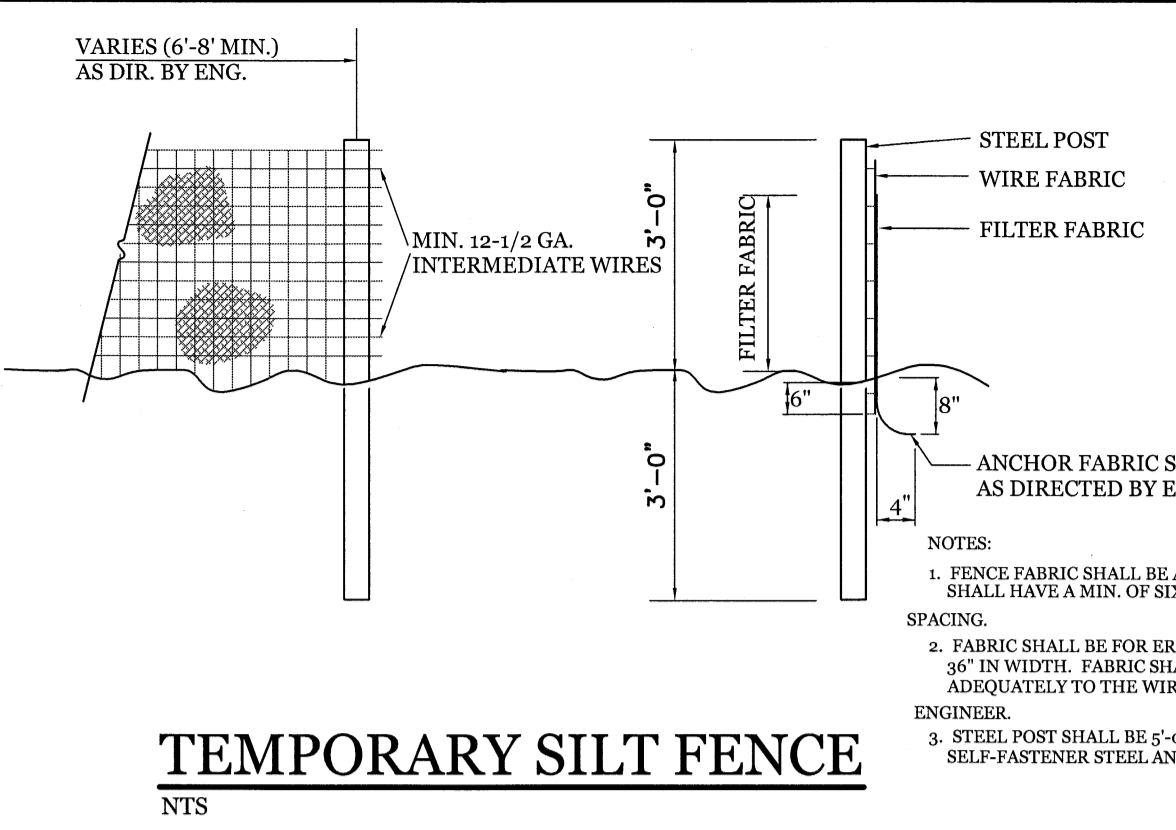
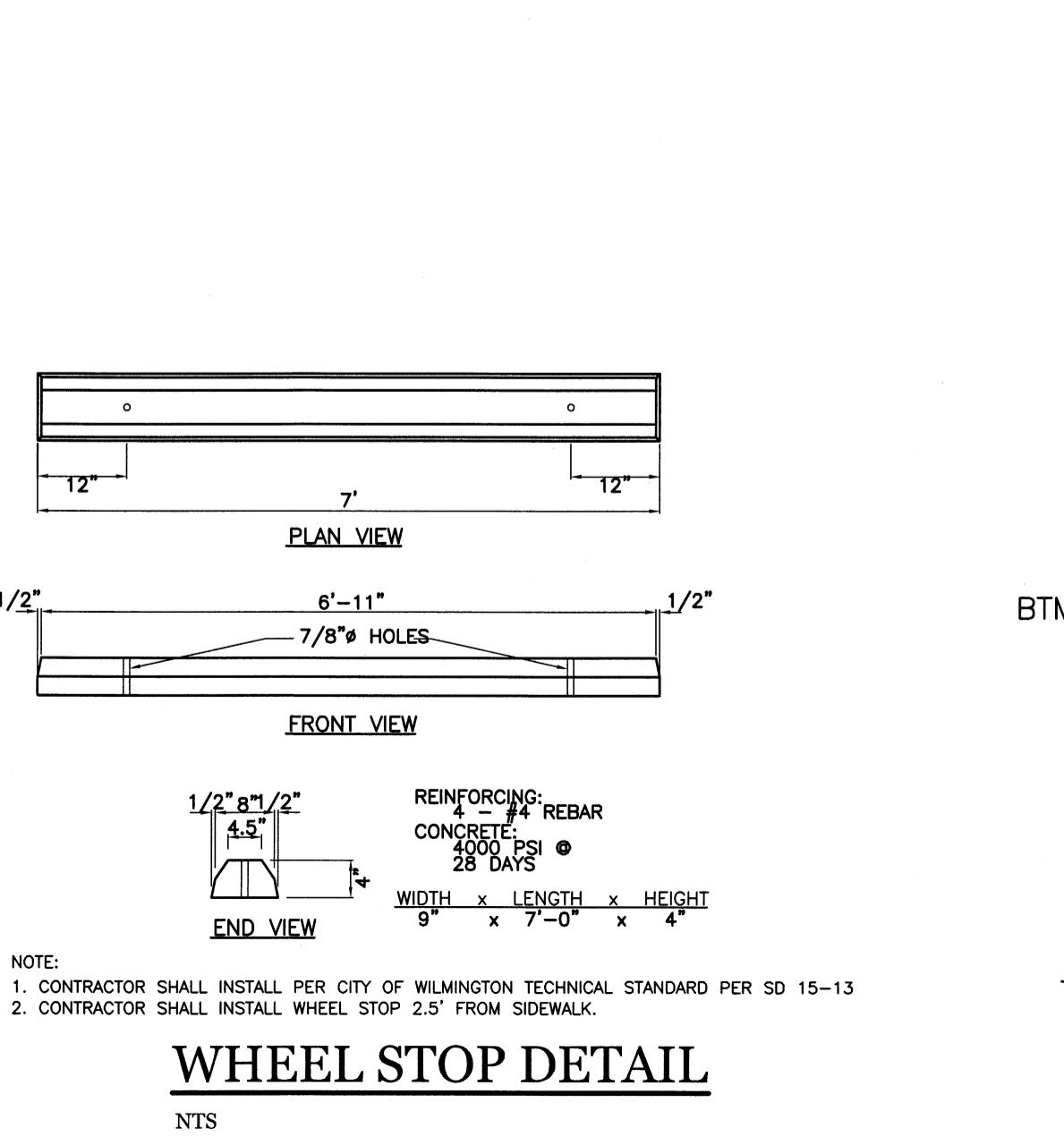
GROUND STABILIZATION CRITERIA

SITE AREA DESCRIPTION	STABILIZATION TIMEFRAME	STABILIZATION TIMEFRAME EXCEPTIONS
* Perimeter dikes, swales, ditches and slopes	7 Days	None
* High Quality Water (HQW) Zones	7 Days	None
* Slopes Steeper than 3:1	7 Days	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
* Slopes 3:1 or flatter	14 Days	7-days for slopes greater than 50 ft. in length
* All other areas with slopes flatter than 4:1	14 Days	None (except for perimeters & HQW Zones)

Note: Ground Stabilization chart may be required by NPDES permit.



STANDARD SIDEWALK DETAIL SD 8-15
NTS

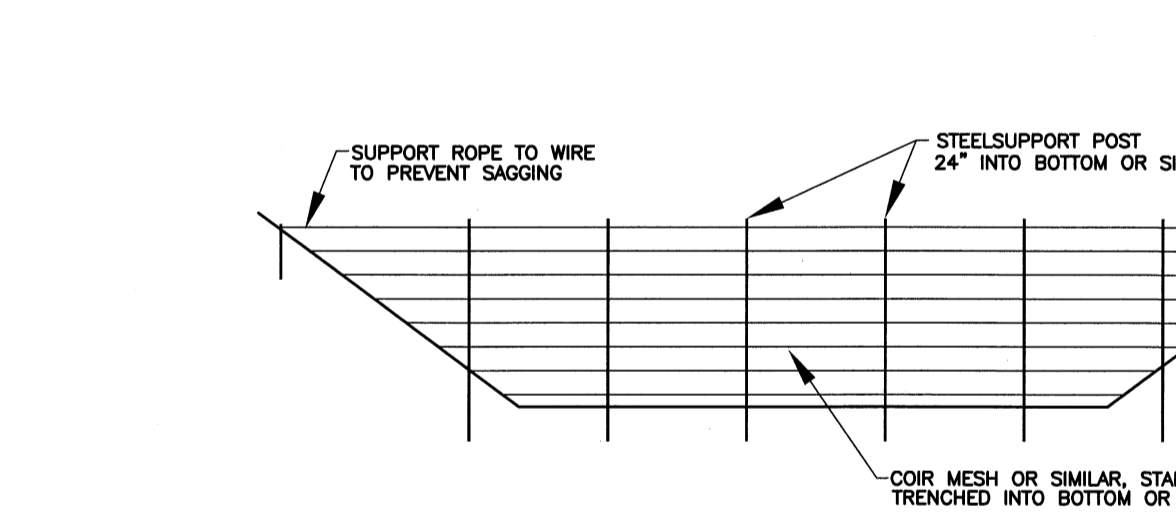


TEMPORARY SEDIMENT TRAP TABLE

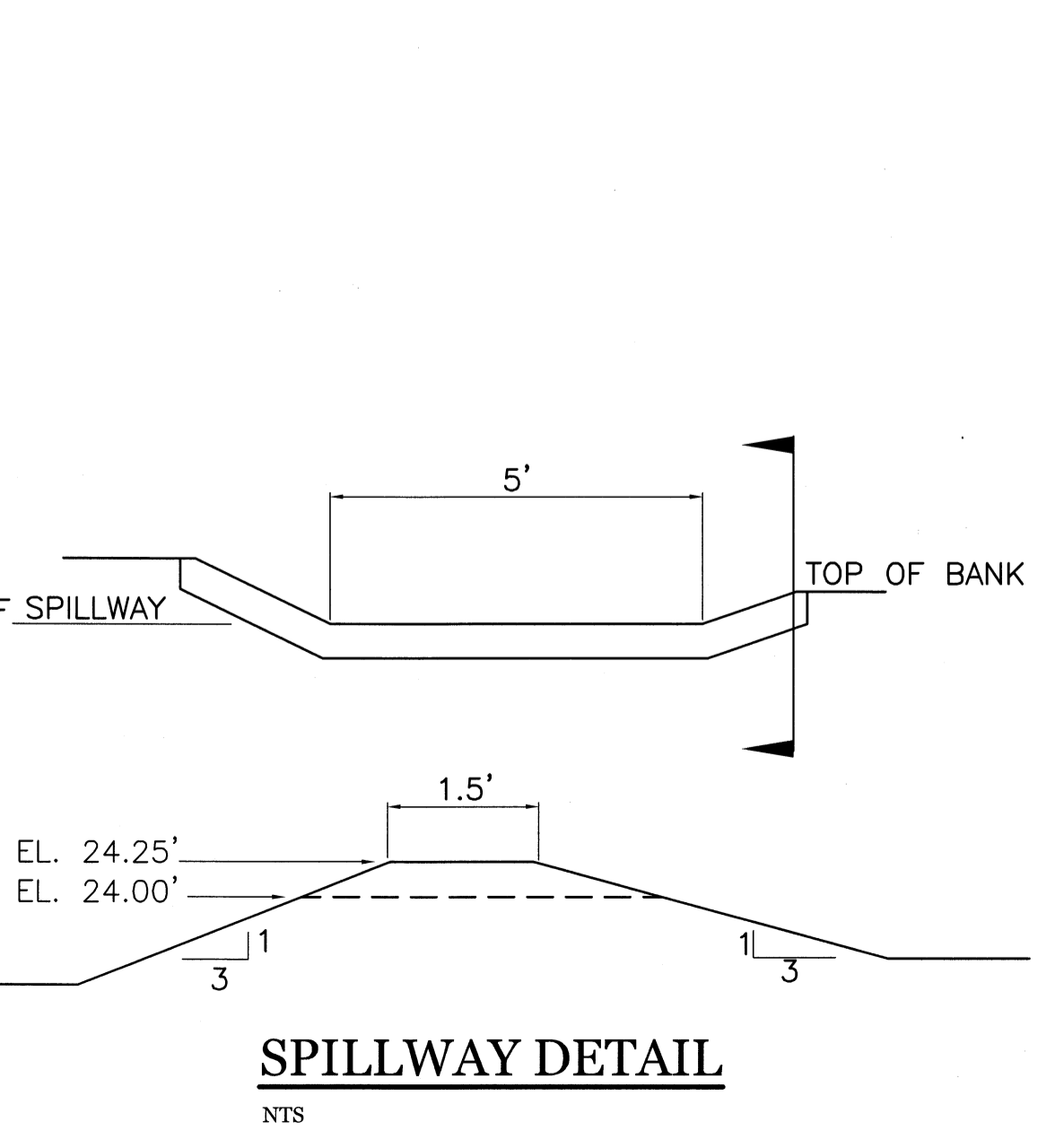
NO.	AREA (ACRES)	REQ'D	PROVIDED	L	W	D
1	0.49	540	648	36'	18'	3'
2	0.71	783	882	42'	21'	3'

SEE PLAN SHEET FOR LOCATION

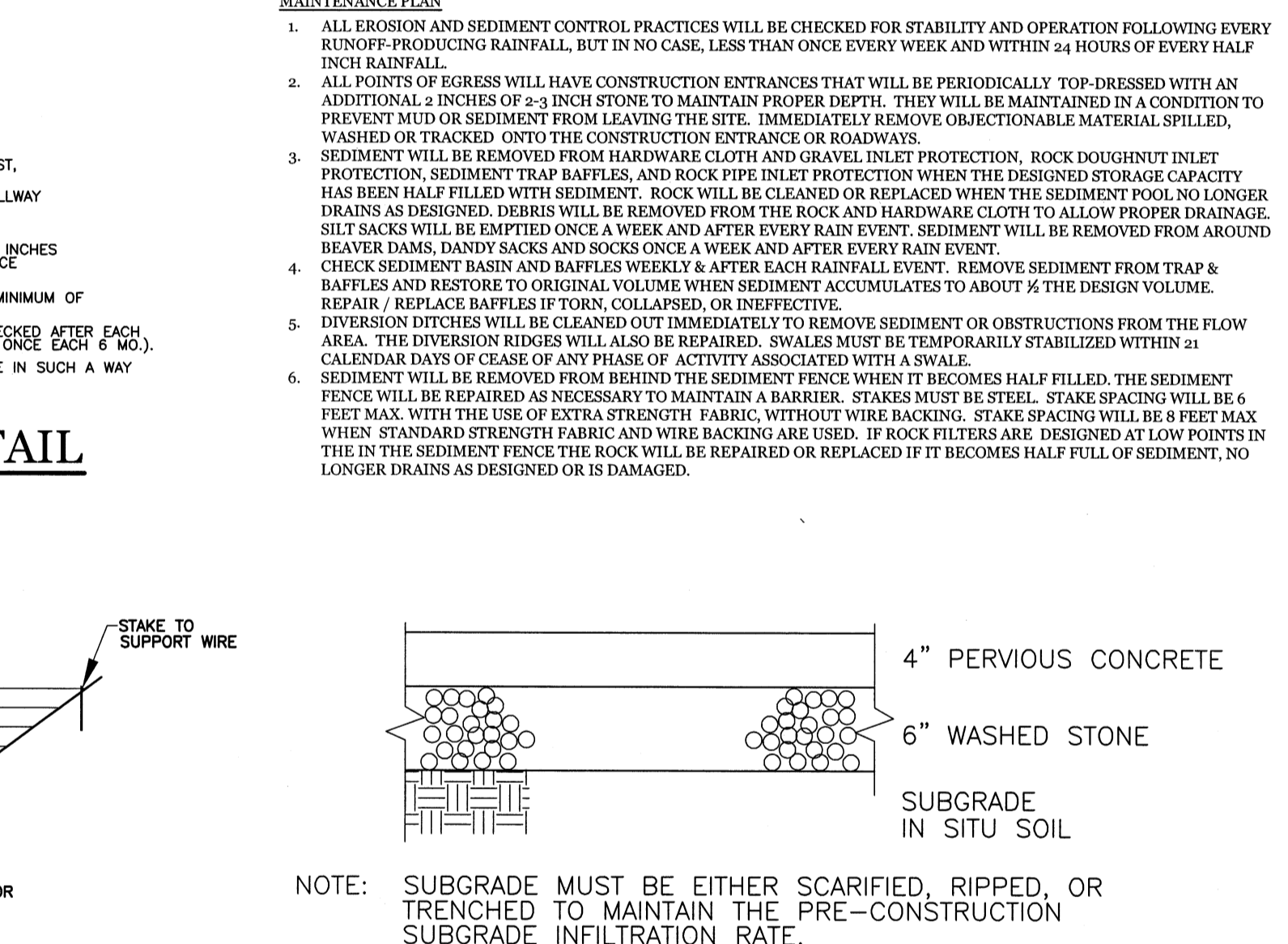
TEMPORARY SEDIMENT TRAP DETAIL
NTS



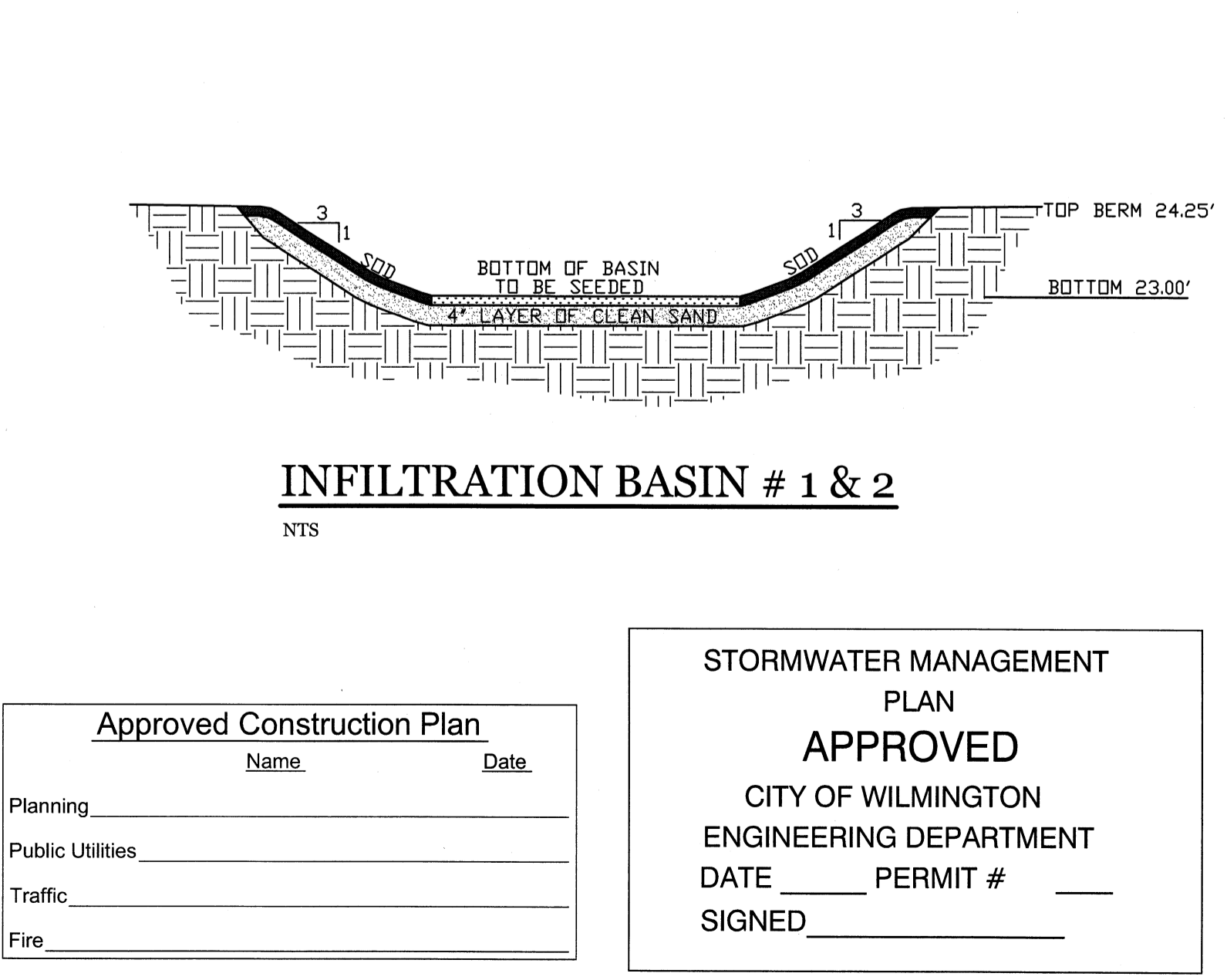
POROUS BAFFLE CROSS SECTION
NTS



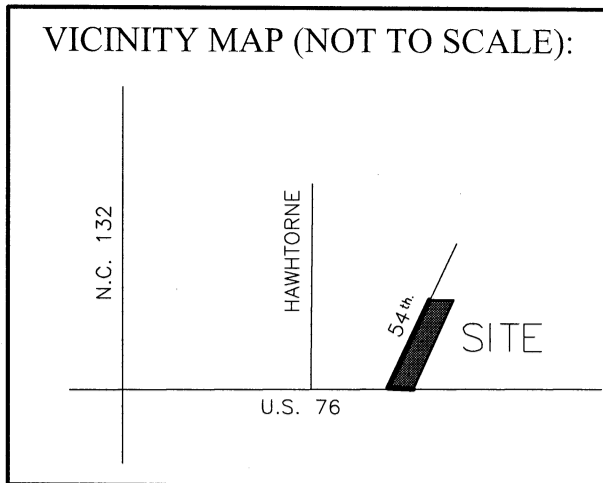
- SITE WORK NOTES:**
- THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS BOTH ON AND ADJACENT TO THE SITE.
 - CLEARING: CONTRACTOR SHALL REMOVE ALL TREES AND VEGETATION WITHIN LIMITS OF CONSTRUCTION IF DESIGNATED TO BE REMOVED.
 - GRUBBING AND STRIPPING: CONTRACTOR SHALL RAKE AND REMOVE ROOTS, STUMPS, VEGETATION, DEBRIS, EXISTING STRUCTURES ABOVE AND BELOW GRADE, ORGANIC MATERIAL OR ANY OTHER UNSUITABLE MATERIAL WITHIN LIMITS OF CONSTRUCTION.
 - MUCKING: CONTRACTOR SHALL COORDINATE WITH OWNER AND THEIR GEOTECHNICAL REPRESENTATIVE TO COORDINATE REMOVAL OF ANY SOFT AREAS.
 - DISPOSAL: CLEARED, GRUBBED, STRIPPED OR OTHER WASTE MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED OF IN A PROPERLY PERMITTED FACILITY.
 - FILL AND COMPACTION SHOULD COMPLY WITH GEOTECHNICAL RECOMMENDATIONS.
 - THE CONTRACTOR SHALL NOTE THAT THE GRADING PLAN MAY NOT REPRESENT A BALANCED EARTHWORK CONDITION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUT AND FILL QUANTITIES AND COMPLETE INSTALLATION TO SPECIFIED GRADES.
 - THE CONTRACTOR SHALL FURNISH SUITABLE BORROW MATERIAL FROM AN OFF-SITE PROPERLY PERMITTED FACILITY AS REQUIRED.
 - INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXACT ELEVATIONS AND LOCATIONS OF ALL EXISTING UTILITIES AT ALL CROSSINGS PRIOR TO COMMENCING TRENCH EXCAVATION. IF ACTUAL CLEARANCES ARE LESS THAN INDICATED ON PLAN, THE CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION. ANY CONDITION DISCOVERED OR EXISTING THAT WOULD NECESSITATE A MODIFICATION OF THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
 - NO CONSTRUCTION IS TO BEGIN BEFORE LOCATION OF EXISTING UTILITIES HAS BEEN DETERMINED. CALL "NO ONE-CALL" AT LEAST 48 HOURS BEFORE COMMENCING CONSTRUCTION.
 - THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES DURING CONSTRUCTION. BEFORE COMMENCING ANY EXCAVATIONS IN OR ALONG ROADWAYS OR RIGHT-OF-WAYS, PUBLIC AREAS OR IN PRIVATE EASEMENTS, THE CONTRACTOR SHALL NOTIFY ALL APPROPRIATE PERSONNEL OF THEIR INTENT TO EXCAVATE, IN WRITING, NOT LESS THAN 10 DAYS PRIOR TO EXCAVATING.
 - THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE DISCONNECTION/ RECONNECTION AND/OR THE RELOCATION OF ALL EXISTING UTILITIES WITH APPROPRIATE PERSONNEL.
 - CONTRACTOR SHALL ADJUST ALL MANHOLES, VALVES & CURB BOXES TO FINAL GRADE UPON COMPLETION OF ALL CONSTRUCTION. ANY BOXES DAMAGED OR OTHERWISE DISTURBED BY THE CONTRACTOR SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
 - EXISTING SURVEYING PERFORMED BY JOHNNY J. WILLIAMS LAND SURVEYING, P.C.
 - THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AT THE SITE. FURTHERMORE THE CONTRACTOR SHALL REPORT ALL DISCREPANCIES OR QUESTIONS TO THE ENGINEER PRIOR TO INSTALLATION.
 - THE CONTRACTOR SHALL PROVIDE ANY AND ALL LAYOUT REQUIRED TO CONSTRUCT HIS WORK UNLESS OTHERWISE DIRECTED BY OWNER.
 - ALL SERVER CONNECTIONS SHALL BE INSTALLED TO MEET ALL LOCAL, STATE, AND CPUSA CODES, METERS, TAPS, MATERIALS, WORKMANSHIP AND ALL FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL COMPLY WITH ALL REQUIREMENTS.
 - ALL BACKFILL FROM UTILITY INSTALLATION MUST BE COMPACTED OR AMENDED TO PROVIDE TRAFFIC BEARING CAPACITY. GEOTECHNICAL ENGINEER TO BE CONSULTED AT CONTRACTORS COST AS NECESSARY.
 - ALL AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO INSTALLATION. ALL AREAS SHALL BE SLOPED TO DRAIN AWAY FROM BUILDINGS AT ALL TIMES. CONCRETE FOR WALKS, CURBS AND DRIVES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS - AIR ENTRAINED.
 - FIELD TESTING SHALL BE DONE BY AN INDEPENDENT TESTING LABORATORY PAID FOR BY THE OWNER. FURTHER TESTING REQUIRED DUE TO A FAILED TEST WILL BE PAID FOR BY THE CONTRACTOR.
 - ALL SIDEWALKS SHALL BE FREE OF CRACKS, BREAKS, OR ANY OTHER DEFECT PRIOR TO RECEIVING A CERTIFICATE OF OCCUPANCY.
- CONSTRUCTION SEQUENCE:**
- CONSTRUCTION OF SITE TO START WITH INSTALLATION OF CONSTRUCTION ENTRANCE, SEDIMENT TRAP, AND SILT FENCE ALONG ALL LOCATIONS PER PLANS. UPON INSTALLATION OF SILT FENCE, TREES SHOULD BE REMOVED IN LOCATIONS AS NECESSARY. ALL SLOPED AREAS SHOULD BE SEED IN ACCORDANCE TO SPECIFICATIONS. SLOPE STABILIZATION IS WITHIN 21 CALENDAR DAYS OF ANY PHASE OF CONSTRUCTION. ALL OTHER AREAS MUST BE STABILIZED WITHIN 15 WORKING DAYS.
 - GENERAL CLEARING AND GRADING OF THIS SITE WILL NOT BE DONE UNTIL THE TEMPORARY SILT FENCE, SEDIMENT TRAP, AND CONSTRUCTION ENTRANCES HAVE BEEN INSTALLED.
 - NO CUT SLOPE OR FILL SLOPE SHALL EXCEED A RISE OR FALL OF ONE FOOT FOR EVERY RUN OF 3 FEET (1 VERTICAL TO 3 HORIZONTAL).
 - NO SEDIMENT WILL BE ALLOWED TO EXIT THE SITE. ALL EROSION SHALL BE CONTROLLED INCLUDING SIDE SLOPES DURING AND AFTER CONSTRUCTION.
 - INSTALL PRIMARY EROSION CONTROL MEASURES BEFORE BEGINNING CONSTRUCTION INCLUDING BUT NOT LIMITED TO GRAVELED CONSTRUCTION ENTRANCE, SILT FENCE, CHECK DAMS, & INLET PROTECTION. INSTALL ALL SECONDARY EROSION CONTROL MEASURES AS SOON AS POSSIBLE AFTER BEGINNING CONSTRUCTION.
 - ALL EROSION CONTROL MEASURES TO BE INSPECTED AFTER EACH RAIN. SILT FENCE AND INLET PROTECTION TO BE CLEANED WHEN HALF FULL.
 - A 4" LAYER OF TOPSOIL SHALL BE APPLIED TO ALL NEW AREAS TO BE GRASSSED.
 - ALL DISTURBED AREAS SHALL BE SEED IN ACCORDANCE WITH SEEDING SCHEDULE.
 - MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PROJECT IS COMPLETE.
 - MORE STRINGENT MEASURES MAY BE REQUIRED TO HALT EROSION IF THOSE ON THIS PLAN PROVE TO BE LESS EFFECTIVE.
 - REMOVE ALL TEMPORARY EROSION CONTROL MEASURES UPON COMPLETION OF CONSTRUCTION. ALL PERMANENT MEASURES SHALL BE WELL ESTABLISHED PRIOR TO PROJECT COMPLETION.
- MAINTENANCE PLAN**
- ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL, BUT IN NO CASE, LESS THAN ONCE EVERY WEEK AND WITHIN 24 HOURS OF EVERY HALF INCH RAINFALL.
 - ALL POINTS OF EGRESS WILL HAVE CONSTRUCTION ENTRANCES THAT WILL BE PERIODICALLY TOP-DRESSED WITH AN ADDITIONAL 1/2 INCHES OF 2-3 INCH STONE TO MAINTAIN PROPER DEPTH. THEY WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBSTRUCTABLE MATERIAL, SPILLED, WASHED OR TRACKED ONTO THE CONSTRUCTION ENTRANCE OR ROADWAYS.
 - SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION. ROCK DOUGHNUT INLET PROTECTION, SEDIMENT TRAP BAFFLES, AND ROCK PIPE INLET PROTECTION WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS AS DESIGNED. DEBRIS WILL BE REMOVED FROM THE ROCK AND HARDWARE CLOTH TO ALLOW PROPER DRAINAGE. SILT SACKS WILL BE EMPTIED ONCE A WEEK AND AFTER EVERY RAIN EVENT. SEDIMENT WILL BE REMOVED FROM AROUND BEAVER DAMS, DANDY SACKS AND SOCKS ONCE A WEEK AND AFTER EVERY RAIN EVENT.
 - CHECK SEDIMENT BASIN AND BAFFLES WEEKLY AFTER EACH RAINFALL EVENT. REMOVE SEDIMENT FROM TRAP & BAFFLES AND RESTORE TO ORIGINAL VOLUME WHEN SEDIMENT ACCUMULATES TO ABOUT 1/2 THE DESIGN VOLUME. REPAIR / REPLACE BAFFLES IF TORN, COLLAPSED, OR INEFFECTIVE.
 - DIVERSION DITCHES WILL BE CLEANED OUT IMMEDIATELY TO REMOVE SEDIMENT OR OBSTRUCTIONS FROM THE FLOW AREA. THE DIVERSION RIDGES WILL ALSO BE REPAIRED. SWALES MUST BE TEMPORARILY STABILIZED WITHIN 21 CALENDAR DAYS OF CEASE OF ANY PHASE OF ACTIVITY ASSOCIATED WITH A SWALE.
 - SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF FILLED. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. STAKES MUST BE STEEL. STAKE SPACING WILL BE 6 FEET MAX. WITH THE USE OF EXTRA STRENGTH FABRIC WITHOUT WIRE BACKING. STAKE SPACING WILL BE 6 FEET MAX. WHEN STANDARD STRENGTH FABRIC AND WIRE BACKING ARE USED. IF ROCK FILTERS ARE USED, STAKE SPACING AT LOW POINTS IN THE SEDIMENT FENCE THE ROCK WILL BE REPAIRED OR REPLACED IF IT BECOMES HALF FULL OF SEDIMENT, NO LONGER DRAINS AS DESIGNED OR IS DAMAGED.



PERVIOUS CONCRETE SECTION
NTS



INFILTRATION BASIN # 1 & 2
NTS



REVISIONS

NO.	DATE	DESCRIPTION

INTRACOASTAL ENGINEERING, PLLC

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DETAILS FOR

OLEANDER DRIVE

SELF STORAGE

WILMINGTON, NC

PROFESSIONAL SEAL

CHARLES D. CZIZER

ENGINEER

1-9-13

CLIENT INFORMATION:

PENTON DEVELOPMENT LLC.
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WILMINGTON, NC 28403
(910) 452-1410

DRAWN: CDC **SHEET SIZE:** 24X36
CHECKED: CDC **DATE:** 01-09-13
APPROVED: CDC **SCALE:** NTS
PROJECT NUMBER: 100-081

DRAWING NUMBER: C-7